

NORTHWESTERN STATE UNIVERSITY



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2004/2005
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Northwestern State

Natchitoches

University Catalog
2004-05



DIRECTORY

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Academic Colleges/Departments		
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College of Education	318-357-6273	education@nsula.edu
College of Liberal Arts	318-357-4330	liberalarts@nsula.edu
Mrs. H. D. Dear, Sr. and Alice Estelle		
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Psychology	318-357-6594	psychology@nsula.edu
School of Social Sciences	318-357-6195	soc_sci@nsula.edu
Social Work	318-357-5493	socialwork@nsula.edu
College of Nursing		
Cenla	318-487-5298	
Natchitoches	318-357-6776	
Shreveport	318-677-3100	nursing@nsula.edu
College of Science and Technology	318-357-6699	sciencetech@nsula.edu
Biological Science	318-357-5323	bio_sci@nsula.edu
Chemistry and Physics	318-357-5501	chem_phys@nsula.edu
Engineering Technology	318-357-5298	iet@nsula.edu
Family and Consumer Science	318-357-5587	family_sci@nsula.edu
Health and Human Performance	318-357-5126	health@nsula.edu
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Military Science	318-357-5157	nsurotc@nsula.edu
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University College	318-357-5000	gencollege@nsula.edu
Admissions, Academic Records, Registration, Transcripts, and Veterans Affairs		
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Admission Processing	318-357-4078	applications@nsula.edu
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Fort Polk Center	337-392-3100	ftpolkcampus@nsula.edu
Graduate School	318-357-5851	grad_school@nsula.edu
Health Services	318-357-5351	infirmary@nsula.edu
Housing	318-357-6703	nsuhousing@nsula.edu
Information (Telephone)	318-357-6361	
Police (University)	318-357-5431	univpolice@nsula.edu
Shreveport Campus	318-677-3100	nursing@nsula.edu
Small Business Development Center	318-357-5611	sbdc@nsula.edu
Student Activities and Organizations	318-357-6511	activities@nsula.edu
Student Life	318-357-5286	studentlife@nsula.edu
Student Support Services	318-357-5901	stu_support@nsula.edu
Testing	318-357-5246	testing@nsula.edu
Tuition and Fees (Admissions)	318-357-4503	admissions@nsula.edu

All written communications should be directed to the proper University office and should be addressed to:

Northwestern State University
Natchitoches, LA 71497-0002

ADMISSIONS INFORMATION
1-800-767-8115

RECRUITING INFORMATION
1-800-327-1903

NORTHWESTERN STATE UNIVERSITY OF LOUISIANA

A Member of the University of Louisiana System

NATCHITOCHES, LOUISIANA 71497-0002

<http://www.nsula.edu>

UNIVERSITY CATALOG

Vol. LXXXIX

2004-2005

This *University Catalog* presents the current curricula, educational plans, course offerings, requirements and policies of this University. The provisions described in this *Catalog* do not constitute an offer for a contract which may be accepted by students through registration and enrollment in the University. The University reserves the right to change any curriculum, plan, course, requirement and policy and any other provision at any time during the student's period of study at the University.

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ACADEMIC CALENDAR 2004-2005

FALL 2004

AUGUST

17.....	Tuesday.....	semester begins/faculty on call
17-24.....	Tuesday-Tuesday.....	registration Internet
17.....	Tuesday.....	advising/registration ENGLAND AIR PARK/CENLA
18.....	Wednesday.....	advising/registration FT. POLK
19.....	Thursday.....	advising/registration SHREVEPORT
TBA.....		faculty institute
22.....	Sunday.....	residence halls open
23-24.....	Monday-Tuesday.....	advising/registration NATCHITOCHES
25.....	Wednesday.....	first day of classes ALL CAMPUSES
25-30.....	Wednesday-Monday.....	late registration fee applies
30.....	Monday.....	final day to register, add courses, or make section changes

SEPTEMBER

3.....	Friday.....	final day to apply for spring 2005 graduation
6.....	Monday.....	Labor Day Holiday

OCTOBER

8.....	Friday.....	final day for removal of "I" grades from previous semester
15.....	Friday.....	mid-term grades due in the University Registrar and Admissions Office
29.....	Friday.....	final day to resign, drop courses with a grade of "W" or change from credit to audit

NOVEMBER

19.....	Friday.....	final day to resign with mid-term grades
22-27.....	Monday-Saturday.....	Thanksgiving Holiday
29.....	Monday.....	classes resume (8 a.m.)

DECEMBER

8.....	Wednesday.....	last day of classes
8-15.....	Wednesday evening-Wednesday.....	final examinations
10.....	Friday.....	candidate grades due by 10:00 a.m.
16.....	Thursday.....	all grades due by noon
		residence halls close at noon
17.....	Friday.....	commencement exercises/semester ends

2004

AUGUST							SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	14	15	16	17	18	19	
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	21	22	23	24	25	26	
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	28	29	30				
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30	28	29	30											
														31																				

ACADEMIC CALENDAR 2004-2005

SPRING 2005

JANUARY

4..... Tuesday..... semester begins/faculty on call
TBA..... faculty institute
4..... Tuesday..... advising/registration ENGLAND AIR PARK/CENLA
5..... Wednesday..... advising/registration FT. POLK
5..... Wednesday..... residence halls open (1 p.m.)
6..... Thursday..... advising/registration SHREVEPORT
6-7..... Thursday-Friday..... advising/registration NATCHITOCHES
10..... Monday..... first day of classes ALL CAMPUSES
10-13..... Monday-Thursday..... late registration fee applies
13..... Thursday..... final day to register, add courses, or make section changes
17..... Monday..... Martin Luther King Holiday
21..... Friday..... final day to apply for summer/fall 2005 graduation

FEBRUARY

7-9..... Monday-Wednesday..... Mardi Gras Holidays
15..... Tuesday..... final day for removal of "T" grades from previous semester

MARCH

4..... Friday..... mid-term grades due in the University Registrar and Admissions Office
18..... Friday..... final day to resign, drop courses with a grade of W, or change from credit to audit
21-26..... Monday-Saturday..... Easter Holidays
28..... Monday..... classes resume (8 a.m.)

APRIL

22..... Friday..... final day to resign with mid-term grades
29..... Friday..... last day of classes, candidate grades due by 10:00 a.m.
29-May 6..... Friday evening-Friday..... final examinations

MAY

6..... Friday..... commencement exercises
7..... Saturday..... residence halls close
9..... Monday..... all grades due by noon/semester ends

2005

JANUARY							FEBRUARY							MARCH							APRIL							MAY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1																												
2	3	4	5	6	7	8	6	7	8	9	10	11	12	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
16	17	18	19	20	21	22	20	21	22	23	24	25	26	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
23	24	25	26	27	28	29	27	28						27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				
30	31																																	

ACADEMIC CALENDAR 2004-2005

SUMMER 2005

MAY

- 12.....Thursday.....residence halls open
 13.....Friday.....advising/registration
 16.....Monday.....session one begins
 17.....Tuesday.....final day to register, add courses,
 make schedule changes for session one
 30.....Monday.....final day to drop courses with grade of W,
 change from credit to audit for session one

JUNE

- 3.....Friday.....session one ends, advising/registration for session two
 6.....Monday.....session two begins
 7.....Tuesday.....final day to register, add courses,
 make schedule changes for session two
 8.....Monday.....final day to drop courses with a grade of W,
 change from credit to audit for session two
 24.....Friday.....session two ends, advising/registration for session three
 27.....Monday.....session three begins
 28.....Tuesday.....final day to register, add courses,
 make schedule changes for session three

JULY

- 8.....Friday.....final day for removal of "I" grades from previous semester
 11.....Monday.....final day to drop courses with a grade of W,
 change from credit to audit for session three
 15.....Friday.....session three ends, advising/registration for session four
 18.....Monday.....session four begins
 19.....Tuesday.....final day to register, add courses,
 make schedule changes for session four

AUGUST

- 1.....Monday.....final day to drop courses with a grade of W,
 change from credit to audit for session four
 5.....Friday.....session four ends, residence halls close
 8.....Monday.....all grades are due by noon/semester ends

2005

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4					1	2			1	2	3	4	5	6
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30	28	29	30	31			
														31													

GLOSSARY

Academic (Scholastic) load — the totals of semester hours of course work for which a student is registered in a semester or summer session.

Academic Catalog Year — catalogs are in effect beginning with the fall semester and remain in effect for the following spring and summer semesters.

Admission — written permission, granted by the Registrar, to register for course work at NSU.

Auditor — one who pays fees and registers for a class or classes as an observer only and receives no credit for it.

Cancellation — a process where all courses are removed from a student's academic record.

Concentration — an alternative track of courses within a Major or Option, account for at least 30% of the Major requirements.

Corequisite — concurrent requirement; usually a course or some other condition that must be taken or met at the same time as another course.

Curriculum — an officially approved combination of courses, satisfactory completion of which may lead to a degree or other goal.

Degree — the title of the award conferred on students up on completion of a unified program of study (e.g., Associate of Arts, Bachelor of Arts).

Degree Designation — each authorized program at public institutions of higher education is listed in the Board of Regents' Inventory of Degree and Certificate Programs under the category "Degree Designation" (e.g., Bachelor of Science, Bachelor of Arts).

Degree Program — grouping of campus-approved courses and requirements (e.g., minimum GPA required, comprehensive examinations, English and Math proficiency) which, when satisfactorily completed by a student will entitle him or her to a degree.

Degree Subject Area — a primary discipline which constitutes the focus of a Degree Program. When a student satisfactorily completes a Degree Program, the student will be entitled to a degree in the appropriate subject area (e.g., Biology, History, Nursing).

Degree Title — the complete label of a Degree Program, consisting of a Degree Designation (e.g., Associate of Arts) and the Degree Subject Area (e.g. Criminal Justice).

Dismissal — final termination, by proper University authority, of a student's enrollment in the University.

Elective — a course required in a curriculum without specific identification; the student "elects" the course to be taken. The area in which the elective must be chosen is sometimes specified.

Good Standing — the status of a student who is eligible to continue in or return to the University.

Graduate Student — a student who has received a baccalaureate degree and has been officially admitted to Graduate Studies.

Major — that part of a Degree Program which consists of a specified group of courses in a particular discipline(s) or field(s). The name of the Major is usually consistent with the Degree Subject Area. A Major usually consists of 25 percent or more of total hours required in an undergraduate curriculum.

Minor — that part of a Degree Program which consists of a specified group of courses in a particular discipline(s) or field(s), consisting usually of 15 percent or more of total hours required in an undergraduate curriculum.

Overall Cumulative Grade Point Average — obtained by dividing the total number of quality points by the total number of quality hours.

Prerequisite — a requirement that must be satisfied, often registration in another course, before a student can take a course.

Quality Hours — the credit hour value of the course.

Quality Point — a numerical value assigned to each of the letter grades A through F. The grade of A is valued at four quality points for each semester hour of credit in the course. B is three points per hour, C is two, and D is one. A grade of F has a quality point value of zero. These values are used in calculating a student's "grade point average" and academic standing.

Registrar — the University official responsible for compiling and keeping secure the official records of each student's scholastic achievement. The office, in Roy Hall, is a principal source of information and advisement on matters such as registration, scheduling, and academic standing.

Residence Requirement — a requirement that students pursuing undergraduate or graduate degrees at NSU must earn a specified number of semester hours in regularly scheduled coursework. For the baccalaureate degree, students must also earn at least 12 semester hours in the major field in upper-level courses (numbered 3000 or above) in residence at NSU.

Resignation — a student's voluntary termination of enrollment in all classes which is carried out in accordance with University procedures.

Scholastic probation — status of a student who is not doing satisfactory work in classes as specified elsewhere in this catalog.

Semester Average — a student's grade-point average based on the total number of quality points earned divided by total number of quality hours in a given semester.

Semester hour — the numerical value of a course usually based on the number of hours spent in the class per week in a regular session. A credit or semester hour generally represents one hour of class work a week.

Suspension — temporary denial to a student, by proper University authority, of permission to register for classes at NSU.

Transfer student — one who has attended another college or university prior to entering NSU.

THE UNIVERSITY

HISTORY

Northwestern State University of Louisiana stands on ground that has been dedicated to learning for well over a hundred years. Prior to the Civil War a portion of the present campus was the property of the Bullard family of Natchitoches. As early as 1856 the Bullard mansion was in use as a convent by the Religious of the Society of the Sacred Heart. The following year a school building was erected at the convent, and in 1884 the property was purchased by the town and parish of Natchitoches. Three of the four great white columns that once supported the east gable of the Bullard mansion still stand on "The Hill" and often serve as the unofficial symbol of the University.

The State Legislature by Act 51 of 1884 created a Louisiana State Normal School for the preparation of teachers. A member of the Legislature, Leopold Caspari, offered the convent site as a campus for the School with the anticipated approval of the citizens of Natchitoches. The offer was accepted, and from 1885 to 1918 the Normal School offered two years of study for the training of teachers. Baccalaureate programs were then inaugurated, and the State Constitution adopted in 1921 changed the name of the school to Louisiana State Normal College.

The resources and curricula of "Normal" grew steadily to meet the increasingly diverse requirements of Louisiana's expanding population. In 1944 the institution's excellent service in its broader role was accorded formal recognition in Act 326 of the Legislature, which changed its name to Northwestern State College of Louisiana.

Northwestern maintained and strengthened its long tradition of leadership in public service and academic endeavor and became, in 1954, the first college under the jurisdiction of the Louisiana State Board of Education to offer the Master's degree. The Educational Specialist degree was first offered in 1966.

On June 18, 1970, Governor John J. McKeithen signed the legislative act which brought the old school its greatest distinction by changing its title to Northwestern State University of Louisiana.

In 1980 the old campus quadrangle where the columns stand was entered into the National Register of Historic Places under the title "Normal Hill Historic District."

In 1984 Northwestern State University celebrated its Centennial with lectures, concerts, social events, and an effective fund raising effort that established the Centennial Development Fund. In addition to the main campus in Natchitoches, the present University has permanent facilities located in Leesville and Shreveport and offers instruction at other centers in central Louisiana.

LOCATION

The main University campus covers an area of some 916 acres immediately west of Natchitoches, Louisiana. The city is in the northwestern part of the state about 50 miles northwest of Alexandria and 75 miles southeast of Shreveport, Louisiana's third largest city.

The campus, encompassing rolling pine hills and rich river bottom land, is one of the most spacious and attractive in the South. The natural beauty of the site drew people to it even in prehistoric times. Long the home of a major Indian tribe for which it was named, Natchitoches was fortified by the French in 1714 as an outpost of their New World empire facing Spanish

Texas to the west. The city today takes pride in its standing as the oldest permanent settlement in the entire Louisiana Purchase Territory. Although the fires of Civil War scarred the Cane River Country, Natchitoches escaped relatively unharmed, and many traces of its colonial and antebellum heritages remain.

Now a city of about 25,000, Natchitoches has an excellent system of public schools, numerous churches, a large modern hospital, and a progressive municipal government. Situated on the banks of the beautiful Cane River, Chaplin's, and Sibley lakes, and lying in the heart of Louisiana's lake and forest country, the city may be described as colorful and unique.

The Nursing Education Center at 1800 Line Avenue in Shreveport is the residential campus for the Departments of Undergraduate Studies in Nursing and Graduate Studies and Research in Nursing. The Nursing Education Center is composed of institutional facilities including instructional areas and administrative/faculty offices. Nursing Education also maintains a satellite campus in Alexandria, Louisiana, at the England Industrial Airpark.

The Northwestern State University Center at Fort Polk is on LA Highway 467, approximately midway between Leesville and the main gate of Fort Polk. It occupies 160 acres of land deemed to NSU by the United States Army.

MISSION

Northwestern State University is a responsive, student-oriented institution that is committed to the creation, dissemination, and acquisition of knowledge through teaching, research, and service. The University maintains as its highest priority excellence in teaching in graduate and undergraduate programs.

Northwestern State University prepares its students to become productive members of society and promotes economic development and improvements in the quality of life of the citizens in its region.

VISION

Northwestern State University strives for educational quality through excellence in teaching and research, innovative use of technology, and exceptional service to students and other constituencies.

The University seeks to attract and develop outstanding students and faculty and to provide them with the resources needed to promote optimal learning and service.

By maintaining a student-oriented environment, Northwestern will offer challenging and rewarding academic experiences augmented and enriched with opportunities for cultural, social, athletic, and other extracurricular activities. The essence of this student-oriented environment will be the University's commitment to create a cooperative atmosphere in which faculty, staff, and students treat each other with dignity and respect and recognize the value and worth of all individuals.

Electronic learning and distance education will be an integral part of Northwestern's role in delivering degree programs and effective services on campus and throughout Louisiana, the nation, and the world.

Northwestern will be responsive to changing views and trends as it works to provide a highly-qualified workforce to promote economic development and to meet the needs that higher education can provide to students, state government, private enterprise, and society.

VALUES

Northwestern recognizes the value of all individuals and strives to create a climate in which faculty, staff, and students treat each other with dignity and respect in an effort to provide students the opportunity to achieve success. The University's desire is to retain and graduate students who are satisfied with, and motivated and enriched by, the quality of education and services that they receive at Northwestern.

GOALS

- To create and maintain a responsive, student-oriented environment.
- To provide programs, services, and operations throughout the University of high quality and effectiveness.
- To enhance institutional viability through effective enrollment management.
- To promote economic development, community service, and an improved quality of life in the region.

DEGREES OFFERED AT THE UNIVERSITY

Associate Degree Programs

Associate Degree programs in: business administration; office administration, with concentrations in: computer information systems; veterinary technology.

Associate of Arts program in: criminal justice.

Associate Degree in Nursing.

Associate of General Studies with concentrations in: aviation science; child development.

Associate of Science program in: electronics technology.

Baccalaureate Degree Programs

Bachelor of Arts programs in: anthropology; criminal justice; English with concentrations in: literature, professional writing; history; journalism with concentrations in: broadcast, news-editorial, public relations; liberal arts with a concentration in: fine and performing arts, foreign language, humanities and social thought, scientific inquiry; political science; social sciences (general); sociology with a concentration in: applied sociology.

Bachelor of Arts in: English education; social studies education; speech education.

Bachelor of Fine Arts with concentrations in: studio art; graphic communication.

Bachelor of General Studies with concentrations in: aviation science; defense leadership studies; non-profit leadership; professional studies.

Bachelor of Music with concentrations in: performance; sacred music.

Bachelor of Music Education with concentrations in: instrumental music; vocal music (voice); vocal music (piano).

Bachelor of Science programs in: accounting; addiction studies; biology, with concentrations in: biomedical, natural science, applied biology; business administration; chemistry, with concentrations in: biochemistry, computer science, professional, technology & management; computer information systems, with concentrations in: application development, e-commerce; electronic engineering technology; family and consumer sciences, with concentrations in: fashion merchandising, housing & interiors, consumer services, nutrition and food systems management; health and human performance, with con-

centrations in: health and exercise science, health and physical education k-12 teaching; hospitality management and tourism, with concentrations in: hospitality services, recreation administration, travel and tourism; industrial engineering technology; mathematics; medical technology; physics, with concentration in: space science; psychology with concentrations in: substance abuse, prevention specialist; radiologic technology; theatre.

Bachelor of Science in: biology education; business education; chemistry education; early childhood education grades pre-k – grade 3; elementary education; family and consumer science education; mathematics education; middle school education; nursing; physics education.

Bachelor of Social Work.

Graduate Degree Programs

Master of Arts in Teaching, with concentrations in: elementary education grades 1 – 5, middle school education grades 4 – 8, secondary education grades 6 – 12.

Master of Arts programs in: adult education; art; English; student personnel services.

Master of Education, with concentrations in: business and distributive education; counseling; early childhood education; educational leadership; elementary teaching; English education with concentrations in: literature, folklife/southern culture, writing and linguistics education; family and consumer sciences education; health and physical education; mathematics education; preparing responsive educators program; reading; science education; secondary teaching; social sciences education; special education, which includes certification in gifted education, general, mild/moderate; educational technology; health and human performance; professional studies; alternate certification 5th-year program; adult and continuing education.

Master of Music.

Master of Science program in: health and human performance, with concentrations in: sport administration, health promotion, physical education teaching; psychology, clinical with concentrations in: substance abuse; prevention specialist.

Master of Science in Nursing with concentrations in: acute care nurse practitioner; adult nursing; critical care nursing of the adult; maternal child and family nursing; mental health/psychiatric; family nurse practitioner; neonatal nurse practitioner; pediatric nurse practitioner; women's health nurse practitioner; administration; clinical nurse specialist; nurse practitioner; education.

Educational Specialist program in: educational leadership and instruction, with concentrations in: counseling, elementary teaching, reading, secondary teaching, special education, educational technology, educational leadership.

ACCREDITATION

Northwestern State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia, telephone number 404-679-4500) to award associate, baccalaureate, master's, and specialist's degrees. It is a member in good standing of the Association of American Colleges and also of the American Association of Colleges for Teacher Education.

All degree programs at the bachelor's level in education and those leading to the Master of Education and Educational Specialist degrees are accredited by the National Council for Accreditation of Teacher Education. The Graduate School is a member of the Council of Graduate Schools in the United States. The undergraduate programs in nursing are approved by the Louisiana State Board of Nursing, and all programs,

undergraduate and graduate, are accredited by the Commission on Collegiate Nursing Education (CCNE). The Master of Arts in Student Personnel Services is fully accredited by the Council for Accreditation of Counseling and Related Educational Programs.

Baccalaureate degree programs in the College of Business are accredited by the Association for Advancement of Collegiate Schools of Business International. The College of Business is also a member in good standing of the National Association of Business Teacher Education. All degree programs in music are accredited by the National Association of Schools of Music. The baccalaureate degree in Theatre is accredited by the National Association of Schools of Theatre. All degree programs in Family and Consumer Sciences are accredited by the American Association of Family and Consumer Sciences. All degree programs in Electronics Engineering Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

The Chemistry program at NSU is approved by the American Chemical Society. The accreditation for the Medical Technology degree is held by each individual hospital affiliate. The Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology. The Social Work program is accredited at the bachelor's level by the Council on Social Work Education. The Veterinary Technology program is accredited by the American Veterinary Medical Association.

The undergraduate program in Journalism is accredited by the Accrediting Council on Education in Journalism and Mass Communication.

COMMITMENT TO EQUAL EMPLOYMENT OPPORTUNITY

It has been, and will continue to be, the policy of Northwestern State University to be an equal opportunity employer.

In keeping with this policy, the University will continue to recruit, hire, train, and promote into all job levels the most qualified persons without regard to race, color, religion, sex, or national origin. All personnel actions, such as compensation, benefits, transfers, layoffs, training, and education are administered without regard to race, color, religion, creed, sex, age, national origin, disability, or veteran status.

The University is committed to providing access to educational programs, tuition assistance, and social and recreational activities for all students without regard to race, color, religion, creed, sex, age, national origin, disability, or veteran status.

All employment decisions are based on job related standards and must comply with the principles of equal employment opportunity.

EUGENE P. WATSON MEMORIAL LIBRARY

Eugene P. Watson Memorial Library is a three-story modular structure with a floor area of approximately 95,000 square feet. The building provides seating for about 650 students and has a capacity of more than 350,000 volumes. Individual study facilities include private carrels for graduate students and faculty members engaged in research. The building includes a Reference Room, a Current Periodicals Reading Room, a Media Center, and comfortable reading areas for students and faculty. The Cammie G. Henry Research Center houses a significant collection of Louisiana books, archival materials, and rare books. Branch libraries are maintained at the Nursing Education Center in Shreveport and at the Northwestern-Ft. Polk

facility near Leesville. To meet the growing needs of students and better accommodate changing technologies, the Watson Library hopes to completely refurbish the existing structure or erect a new one within the next three to five years.

Library resources comprise some 330,000 books and bound periodicals, more than 1,900 serial titles, a large U.S. government documents collection of over 470,000 items, about 150,000 microforms, and over 7,000 audio visual items. The collection is particularly strong in the subject areas of education, business, and nursing.

The NSU Libraries are a member of the Louisiana Academic Library Information Network Consortium (LALINC) and have online access to the catalogs of other university libraries throughout the State on LOUIS (Louisiana Online University Information System). The holdings of the Northwestern libraries were added to the network in September 1994. LALINC is currently employing SIRS *UnicornLink* software to automate all library functions.

WILLIAMSON MUSEUM

The Williamson Museum was founded by the NSU Alumni Association in 1921. Its name honors the late George Williamson, Professor Emeritus of Biology, who donated his extensive and invaluable collections to the Museum. It is the official state and federal repository for archaeological collections from northwestern Louisiana.

Specializing in the anthropology and geography of Louisiana and adjacent areas, the Museum strives to meet the informational and research needs of students, faculty, and the general public. Study collections are available to qualified researchers. Exhibits are open during normal school hours.

Museum facilities in Kyser Hall comprise a spacious exhibit hall, storerooms, research laboratory, Curator's office, and lecture room.

CREOLE HERITAGE CENTER

The purpose of the Creole Heritage Center is to promote, foster, and engage in activities and endeavors that relate to Louisiana Creoles and their culture. There are numerous Creole groups in Louisiana, including 28 currently identified communities. The Creole Center serves as a central clearinghouse and information bank for these communities and for those seeking knowledge, understanding, and appreciation of Louisiana Creoles and their culture. It also functions as an office of support to Louisiana and national Creole communities and organizations, offering advice and assistance in matters that affect Creoles.

THE NORTHWESTERN STATE UNIVERSITY PRESS

The Northwestern State University Press, created in 1978, specializes in works which contribute to a greater knowledge and understanding of the state and region.

The imprint is controlled by the Director of the Press. Communications should be addressed to the Director, Northwestern State University Press, P.O. Box 5305, Northwestern State University, Natchitoches, LA 71497-0002.

THE SOUTHERN STUDIES INSTITUTE

Principal objectives of the Southern Studies Institute are encouragement of original research and publication of studies in fields which contribute to a greater knowledge and understanding of the South and its regional setting. The Institute publishes *Southern Studies: An Interdisciplinary Journal of the South*.

Communications and manuscript submissions should be addressed to the Managing Editor, Southern Studies, Northwestern State University, Natchitoches, LA 71497-0002.

LOUISIANA FOLKLIFE CENTER

The Louisiana Folklife Center was established in 1976 at NSU to identify, document, and present Louisiana's traditional arts. The center has established a number of vehicles to accomplish its goals. In the summer the center presents the Natchitoches/NSU Folk Festival in Prather Coliseum. During the academic year, the center publishes *Louisiana Folklife*, produces and distributes documentary records, provides logistical support for the Folklife Society of Louisiana, and maintains a folklife archive. The center also hosts a variety of conferences dealing with various aspects of Louisiana culture and maintains both the Louisiana Folklife Database and a World Wide Web site for Louisiana Folk Artists. Additionally, the Louisiana Folklife Center houses one of the five Division of Arts funded Regional Folklorists. The Regional Folklorist documents Northwest Louisiana and the Neutral Strip. The Regional Folklorist also maintains the statewide Folk Artist database. The center offers a library including folklife materials, over 1,200 hours of interviews and live Louisiana folk music recorded at the Natchitoches/NSU Folk Festival, and support for those wishing to study Louisiana Folk Culture.

ADMISSION TO THE UNIVERSITY

Note: Anyone interested in entering the Graduate School should refer to the Graduate School section of this catalog.

Campus Visits and Recruiting

While interviews are not required for admission to NSU, prospective students are urged to visit the campus. A campus tour itinerary will be designed to meet your specific needs and may include visits with admissions, financial aid counselors, faculty advisors, and staff. Persons interested in seeking personal assistance in attending or visiting NSU may contact University Recruiting by e-mail at admissions@nsula.edu, by phone toll-free at 1-800-327-1903, or mail to University Recruiting, NSU, Natchitoches, LA, 71497. Office hours are Monday-Friday (except holidays), 8:00 a.m. to 4:30 p.m.

Undergraduate Admission

Persons with questions about admission processing or admit status should call (318) 357-4078, (318) 357-6127, or 1-800-767-8115, e-mail applications@nsula.edu, visit our web page at www.nsula.edu/registrar, or write to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, Louisiana 71497.

All applicants are encouraged to apply before the scheduled deadline dates and should have all credentials (final official high school transcripts, college transcripts, ACT or SAT scores, Immunization Record, etc.) submitted to the University Registrar and Admissions Office for admission review. Male applicants who will be between the ages of 18 and 25 by registration must submit the sworn statement and proof of registration with Selective Service. All re-enrolling NSU students who have not been enrolled for the previous three semesters (including summer) must submit an application for re-admission and the application fee.

Application deadlines are:

- July 6 for fall
- November 2 for spring
- April 5 for summer

Northwestern will enforce the application deadline for all undergraduate applications. In addition, all credentials (official transcripts, ACT or SAT scores, etc.) must be in the University Registrar and Admissions Office by the deadline dates.

Credential deadlines are:

- July 27 for fall
- November 16 for spring
- April 19 for summer

Any student who submits an application after the stated deadline will be considered on a case-by-case basis only. If a late application is accepted, the applicant may have to register late and pay a late registration fee.

Application Fee

- An application fee of \$20 (\$30 for international students) must be submitted with application for admission.
- The application fee is non-refundable and is not applied toward any other fees.

- Any student who has not attended NSU for three consecutive semesters (fall, spring, & summer) must re-apply for admission and pay the application fee.

Admission Criteria (Current through Summer 2005)

Admission Requirements and Procedures

Freshman applicants should request their high school to send their official transcript to Northwestern State University and have official ACT or SAT scores sent from ACT/SAT or the high school at the time the application is made. All applicants should request their high schools to send a transcript of their complete scholastic record to the University Registrar and Admissions Office as soon as possible *after* high school graduation. Final, official transcripts should be submitted before the credentials deadline. Applicants who have earned a GED (General Equivalency Diploma) must have a copy of their test scores submitted from the appropriate records' office to the University Registrar and Admissions Office. Applicants who were home-schooled must have official ACT or SAT scores submitted to the University Registrar and Admissions Office.

Official ACT/SAT scores must be on file for all new students (first-time freshmen and transfer students) under the age of 25 who have not earned at least 12 credit hours. Those who do not have official scores submitted can be provisionally admitted and must take the residual ACT or the national ACT/SAT. Non-residents of Louisiana must meet the requirements under Non-Resident Admission and can not be provisionally admitted without ACT/SAT scores. A minimum ACT composite of 18 (850 SAT total score) is required for admission into a four-year degree program.

Freshman Admission

First-time freshmen who are Louisiana residents and have graduated from a state approved or recognized accredited high school, or who have a GED, will be eligible for admission to a degree program if they meet the following criteria:

- Have a 2.5 cumulative high school GPA, **or**
- Minimum ACT composite score of 18 or minimum of 850 on the SAT, **or**
- Receive any type of performance or talent-related scholarship from the university such as band, theater, athletic, or dance.

Louisiana resident applicants who graduated from non-accredited high schools, or completed a home-school/home-study program will be eligible for admission to a degree program if they meet the criteria:

- A minimum ACT composite score of 18 or minimum of 850 on the SAT, **or**
- Receive any type of performance or talent-related scholarship from the university such as band, theater, athletic, or dance.

An applicant who is denied admission may appeal to the Admission, Credits, and Graduation Council.

Transfer Admission

Students desiring to transfer to Northwestern State University with less than 12 hours of course work will be eligible for admission to a degree program *if they meet the requirements as an entering freshman and are eligible to reenter the institution from which they are transferring*. Transfer applicants who are non-residents of Louisiana and have earned less than 12 semester hours or its equivalent must meet the minimum requirements for admission listed under Non-Resident Applicants. Transfer and re-entry applicants who have attended other colleges and universities must have official copies of all college work submitted to the University Registrar and Admissions Office before the credentials deadline. Transfer applicants may not disregard previous college work and apply as freshmen. Transcripts should be requested from the Registrar at each institution attended and mailed directly to the University Registrar and Admissions Office. Accreditation status of transfer institutions is confirmed through the American Association of Collegiate Registrars and Admissions Officers (AACRAO) publications, the Transfer Credit Practices of Designated Educational Institutions and the Accredited Institutions of Postsecondary Education. Transcripts are only accepted from institutions that are regionally accredited by the Southern Association of College and Schools/Commission on Colleges, the Middle States Association of Colleges and Schools, the North Central Association of Colleges and Schools, the New England Association of Schools and Colleges, the Northwest Association of Schools and Colleges, and the Western Association of Schools and Colleges.

Transfer applicants with 12 or more credit hours will be eligible for admission to a four-year degree program if:

- they are eligible to return to the last institution attended, and
- have a 2.0 cumulative grade point average, and
- need no more than 4 hours of developmental course work in either Math or English with a grade of "C" or higher earned. Transfer applicants in need of more than one developmental course will be eligible to be admitted to an appropriate two-year degree program until Summer 2005.

Evaluations concerning probation, suspension, grades, grade point average, and hours earned are based on NSU standards regardless of prior determinations at other institutions that the student has attended. A student is not admissible if under scholastic or disciplinary suspension from another college or university. A suspended student will not be considered for admission until the suspension period has been completed. A transfer student who has been suspended from an institution not within the University of Louisiana System may appeal to enroll at NSU during the academic suspension period only if the student has a 2.0 cumulative grade point average. The appeal may be granted or denied. When the academic suspension period is not clearly defined by the suspending institution, it will be determined to be equal to a period comparable to the rules in place at NSU.

No credit will be granted to a student by Northwestern for academic work earned while the applicant was suspended or dismissed from any institution except when an appeal to attend has been approved.

Non-Resident Applicants

Any freshman applicant who is not a resident of Louisiana and has earned less than 12 semester hours or its equivalent must meet the following requirements for admission:

- attain a composite score of at least 17 on the ACT (or SAT 800); or
- attain a composite score of at least 16 on the ACT (or SAT 750) and have a cumulative high school grade point average of at least 2.50 in a high school curriculum comparable to that required in Louisiana, and rank in the upper 50% of the high school graduating class; or
- attain a composite score of at least 15 on the ACT (or SAT 700) and have a cumulative high school grade point average of at least 2.75 in a high school curriculum comparable to that required in Louisiana, and rank in the upper 40% of the high school graduating class.

Applicants who do not meet these requirements are not admissible to the university, but may appeal to the Admissions, Credits, and Graduation Council.

Admission to Associate Degree programs

Louisiana resident students entering into associate degree programs must be graduates of a state approved or recognized accredited high school, or have a GED. Students who are non-residents of Louisiana and have earned less than 12 semester credit hours must meet the minimum requirements for admission listed under Non-Resident Applicants.

Associate Degree students who intend to enter into a four-year degree program must complete 30 semester credit hours (excluding any developmental courses) with a cumulative GPA of 2.0 and complete developmental courses with a minimum 2.0 GPA.

Admission to University College (Alternate Two-year Degree Programs)

Louisiana resident applicants interested in pursuing a four-year degree who have not met the minimum criteria for admission are eligible for admission to the appropriate two-year degree, and assigned to academic advising within University College. Applicants who are non-residents of Louisiana must have a 17 ACT composite (or 800 SAT score) in order to be admitted to an appropriate two-year degree program. Students will be eligible to enter into four-year degree programs for which they meet the requirements when they have completed all of the following requirements:

- any developmental courses with a 2.0 minimum grade point average; and
- 30 semester credit hours (excluding developmental courses) with a 2.0 minimum grade point average.

Special Admissions Students

Louisiana resident applicants who are not high school graduates, are 21 years or older, but do not have a GED or high school diploma may be admitted on probation in an appropriate two-year associate degree program and assigned to academic advising within University College. Associate degree students who intend to enter a four-year degree program must meet all of the following requirements:

- any developmental courses with a 2.0 minimum grade point average; and
- 30 semester credit hours (excluding developmental courses) with a minimum grade point average of 2.0.

Admission of Current High School Students

Under certain conditions, some students may be admitted to Northwestern prior to graduation from high school. Three programs are available:

A. Collegiate Program

Northwestern State University invites talented high school students to enroll in the University as a means for enriching their educational experiences and, at the same time, earning credits which may be applied toward a degree upon graduation from high school. The Collegiate Program is available during each school session—fall and spring semesters and the summer term. Students pursue regular University courses. The courses for which a student may register will be based upon ACT scores, high school courses completed, high school courses still available to the student, and the student's vocational goal.

Eligibility: The student must:

1. Have at least a 3.0 overall grade point average at the end of his/her junior year of high school, need no more than three units for graduation, and need no more than two required units for graduation.
2. Have the recommendation of his/her high school principal and rank in the upper quartile of his/her class.

All students in the program are required to pay the usual University fees. Room and board are available for students in the program in the University facilities during the summer term, but not during the fall and spring semesters.

Applications for participation in the program should be submitted at least two weeks prior to the date of enrollment. To apply, students must submit completed applications (collegiate and undergraduate) with a \$20 application fee, immunization records, and official six or seven semester high school transcripts, and have ACT scores reported to Northwestern from ACT. *

* Students who wish to participate in the collegiate program should take the ACT Assessment Battery in February of their junior year.

Applications for admission and correspondence regarding the Collegiate Program should be addressed to:
University Recruiting
Northwestern State University
Natchitoches, LA 71497

B. Early Admission Program

Northwestern State University offers an opportunity for high-ability secondary school students who have completed six semesters of secondary school to enroll at the University as full-time students. Upon earning twenty-four (24) semester hours of college credit, the student will be granted a high school diploma.

To be eligible for early admission to Northwestern State University a student must:

1. Complete six semesters of high school with a B or better average.
2. Have an ACT composite score of at least 25, and
3. Be recommended by his/her high school principal.

To be admitted to the program, eligible students must complete and return an application for admission to Northwestern and a recommendation for Early Admission (this form must be completed in triplicate and each copy signed

by both the student and his/her high school principal. All copies of this form and a six semester high school transcript must be mailed by the principal).

As soon as all the forms, properly completed, and an official report of ACT scores sent from ACT, have been received, the recommendation forms will be approved by the University and one copy will be returned to the applicant and one to the principal. An approved recommendation will constitute notification of acceptance. All appropriate University fees shall apply.

Applications and inquiries about Early Admission should be addressed to:
University Recruiting
Northwestern State University
Natchitoches, LA 71497

C. STEP UP Program

Success Through Early Preparation for Undergraduate Programs (STEP UP) offers an opportunity for high school seniors to earn credits which may be applied toward a degree upon graduation from high school. This program is available in the fall and spring semesters through a participating high school or online through the Louisiana Virtual School. The courses for which a student may register will be based upon ACT scores and school resources. Students may pursue up to three courses per semester.

Eligibility criteria include:

1. Attendance in a participating parish or school.
2. Completion of six semesters of high school with a 2.75 or higher cumulative grade point average.
3. ACT composite score of at least 18.
4. Recommendation by his/her school principal.

To apply, students must submit completed applications for admission to Northwestern with \$20 application fee, immunization records, official ACT scores, official six or seven semester high school transcripts, STEP UP application and agreement. Special University fees may apply.

Inquiries regarding STEP UP should be directed to:
Carl D. Perkins Programs
Northwestern State University
Natchitoches, LA 71497

NSU reserves the right to deny admission or re-admission to any applicant when such action is deemed to be in the best interest of the applicant and/or the university community.

ADVANCE Program for Young Scholars

The ADVANCE Program for Young Scholars (ADVANCE) offers an opportunity for gifted students to earn credits which may be applied toward a degree should s/he enroll and register at NSU after graduating from high school. ADVANCE is offered for three weeks every June at NSU, as an affiliate of the Duke University Talent Identification Program (TIP). The student may only take one course during the session and admittance to the ADVANCE program is based upon 7th grade ACT or SAT scores. If, as a 7th grader, the student did not take an ACT or SAT, s/he may apply to ADVANCE under the Alternate Admission policy. Contact the ADVANCE Program for details.

Eligibility criteria include:

1. Attendance in the ADVANCE Program for Young Scholars at NSU.
2. Entering ADVANCE through regular or alternate admission.

- Earning a grade of B or better in an ADVANCE course that is included in the Articulation Agreement between NSU and the ADVANCE Program.

Inquiries regarding the ADVANCE Program should be directed to:
 ADVANCE Program for Young Scholars
 Northwestern State University
 P.O. Box 5671
 Natchitoches, LA 71497
 318/357-4500 (fax) 318/357-4547
www.advancedprogram.org

NSU reserves the right to deny admission or re-admission to any applicant when such action is deemed to be in the best interest of the applicant and/or the university community.

Admission to Degree Programs

There are special requirements for admission to some degree programs. The Department of Nursing lists its requirements elsewhere in this catalog. No one will be accepted for teacher certification who is ineligible to enter the school of education in which he was last enrolled. Admission to the University does not guarantee admission to a degree program.

Admission Decisions

Admission decisions are mailed after all credentials have been received in the University Registrar and Admissions Office and reviewed. Favorable decisions may be revoked if information received later, such as college transcripts, indicates that the applicant is ineligible for admission.

Admission of International Students

International applicants may be considered for admission to undergraduate degree programs based upon the requirements given in the Admission to the University section of this catalog and upon submission of the following: (item 7 must be certified by a professional educational credentials evaluation service based in the United States).

- A completed Application for Admission.
- A \$30 non-refundable application fee payable through a U.S. bank.
- A completed Educational Experience List.
- An official Financial Statement Certification verifying bank funds available in U.S. dollars to cover the educational and living expenses.
- Certified true copies of both original and English translations of all school work/college work, examinations, certificates, and diplomas.
- A completed Health Form and Immunization Record.
- A professional evaluation of the applicant's education credentials by an approved evaluation service (grade point average should be included).
- ACT or SAT scores (undergraduate applicants) submitted from ACT/SAT.
- GRE scores for graduate admission submitted by ETS.
- Official TOEFL (Test of English as a Foreign Language) score. A minimum score of 173 is required on the computer-based test (500 minimum on the paper-based test).

Applications for Admission and credentials are required at least two months prior to the beginning of the semester for which admission is being sought. Because of the time required to obtain a student visa after admission is granted, applying early is recommended. Graduation from a foreign secondary school does not guarantee admission to NSU.

International students are assessed a \$60 international student fee per semester in addition to their tuition and fees.

Due to possible problems with currency exchange regulations, international students from some countries may be required to deposit in a local account monies in the amount of tuition and fees for up to one year before an I-20 for obtaining a student visa will be issued. Applicants should not send money (other than the application fee) with their application packets. Students required to place funds on deposit will be notified. The I-20 will be mailed after funds are received.

On-line only international students must take courses from outside the United States (If you take courses from within the U.S., you must have a valid student visa and I-20.). The following are required for on-line only international students:

- Application for Admission.
- A \$30 non-refundable application fee payable through a U.S. bank.
- A professional evaluation of the applicant's educational credentials by an approved evaluation service (grade point average should be included).
- Official ACT or SAT scores from ACT/SAT for undergraduates. Official GRE scores from ETS for graduate students.

Address all correspondence to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, LA 71497, U.S.A. Telephone (318) 357-4078, (318) 357-6127, or 1-800-767-8115. E-mail: applications@nsula.edu.

Minimum Admission Criteria Effective Fall 2005

Freshman Admission

First-time freshmen will be eligible for admission to a degree program if they meet the following criteria:

- Students must have completed 16.5 units of the Regents' High School core curriculum,
AND need no more than one developmental (remedial) course,

AND one of the following:

- Cumulative grade point average (on a 4.00 scale) of 2.00 on all high school courses attempted.

OR

- Minimum ACT composite score of 20 or minimum of 940 on the SAT from a single test.

OR

- Rank in the Top 50% of the high school graduating class.

Admission Exceptions:

Students who do not meet the admission requirements may be admitted under the admission exceptions category. In compliance with the Settlement Agreement, each institution "shall have 15 percent of its entering class set aside as admission exceptions to include the following: 10 percent for other race students, the remaining 5 percent for other institutional interests such as students with special talents, children of alumni, and athletes."

Transfer Admission

Students (in-state and out-of state) desiring to transfer to Northwestern State University with fewer than 12 hours of course work earned (non-developmental) will be eligible for admission to a degree program if they meet the following minimum admission criteria:

- 2.00 minimum GPA on College Level Courses (non-developmental).
- Students must be eligible to return to the institution from which they are transferring.

- Students desiring to transfer with the minimum GPA on college level courses, but fewer than the minimum college level hours earned, must also meet the freshman admission criteria in order to be admitted as transfer students.
- Students desiring admission as transfer students and in need of more than one developmental course will not be eligible for transfer to NSU.

Admission Exceptions:

Students who do not meet the admission requirements may be admitted under the transfer admission exceptions category. In compliance with the Settlement Agreement, each institution "shall have 15 percent of its entering class set aside as admission exceptions." – 10 percent for other race students, the remaining 5 percent for other institutional interests such as students with special talents, children of alumni, and athletes."

Non-Resident OR Home School Programs

Freshman students who graduate from out-of-state high schools or are home-schooled must meet one of the following minimum admission criteria:

Criterion #1

Students must have completed 16.5 units of the Regents' high school core curriculum, AND need no more than one developmental (remedial) course, AND one of the following:

- Cumulative grade point average (on a 4.00 scale) of 2.00 on all high school courses attempted.
OR
- minimum ACT composite score of 20 or minimum of 940 on the SAT from a single test.
OR
- rank in the Top 50% of the high school graduating class.

Criterion #2

Attain a composite score of at least 20 on the ACT (or 940 SAT) AND a cumulative grade point average of at least 2.00 on all high school courses attempted AND rank in the top 50% of the high school graduating class, AND need no more than one developmental (remedial) course requirement.

Criterion #3

Attain a composite score of at least 23 on the ACT (or 1060 SAT) AND need no more than one developmental (remedial) course.

Freshman students who do not meet the admission requirements may be admitted under the admission exceptions category. In compliance with the Settlement Agreement, each institution "shall have 15 percent of its entering class set aside as admission exceptions." – 10 percent for other race students, the remaining 5 percent for other institutional interests such as students with special talents, children of alumni, and athletes."

International Students

Freshman international students must have completed a recognized secondary program comparable to U.S. high school graduation, and have academic records comparable to those required to meet the freshman admission criteria. Admission decisions for freshman international students must be made in accordance with recommendations in nationally recognized publications.

- Students should have at least completed a program of study that would recommend them for admission to a university in their country.

- Transfer international students must have completed a recognized secondary program and meet transfer admission criteria.

International students for whom English is a second language are required to demonstrate college level English proficiency by submitting the minimum required TOEFL score.

- Minimum TOEFL score of 500 paper-or 173 computer.

International students who do not meet the required admission requirements may be admitted under the respective admission exceptions category.

Non-Traditional Students

Adults aged 25 and over who are defined as:

- Entering freshmen are not required to meet the minimum admission criteria for first-time freshmen.
- Entering transfer students are required to meet the minimum admission criteria for transfer students. Such students who do not may be admitted under the transfer admission exceptions category.

Adults aged 21 – 24 who are defined as entering freshmen are required to meet the minimum admission criteria. Such students who do not may be admitted under one of the following categories:

- Admission exceptions.
- Non-matriculating. Students admitted under this category may change their status from non-matriculating to matriculating by meeting the minimum transfer admission criteria.
- Matriculating, part-time. Students admitted under this category may enroll for no more than 3 hours in the summer or 6 hours in the fall or spring semesters. Students admitted under this category may be allowed to enroll in additional hours by meeting the minimum transfer admission criteria.

Adults aged 21 – 24 who are defined as entering transfer students are required to meet the minimum admission criteria for transfer students. Those students who do not may be admitted under the transfer admission exceptions category.

Categories of Admission that Fall Outside the Minimum Admission Criteria Requirements

- Students defined as re-entry.
- Students defined as Senior Citizens (as defined by the state of Louisiana).
- Students defined as non-matriculating.
- Non-degree seeking students in special programs which include, but are not limited to:
 - Dual or concurrent enrollment programs for high school students.
 - Programs for visiting students from other institutions who desire to enroll for a limited time period and pursue course work for the purpose of transferring the course work back to their home institution from which they intend to earn their degree.
- Inter-agency or inter-institutional programs such as Academic Programs Abroad, Service members Opportunity College, etc.
- Students who have been admitted to the University prior to Fall 2005 and have subsequently been deployed for national security activities prior to their enrollment, may, upon approval by the University, have their admission deferred, and are not required to meet the respective minimum admission criteria for a freshman or transfer student for the 2005 entering class.

FINANCIAL AID

Financial aid is available to help students who, without financial assistance, would be unable to attend NSU. The amounts and terms of financial aid and the regulations and policies under which it is administered are subject to change without notice.

At Northwestern, student financial aid is administered by the Student Financial Aid Office, Roy Hall, Natchitoches, LA 71497-0002. Interested persons are welcome to write, call, or visit the Office at any time. Office hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday, except holidays.

The principal categories of financial aid are:

1. Grants: gift aid awarded to students who demonstrate exceptional financial need; do not require repayment.
2. Loans: borrowed money which must be repaid, with interest.
3. Employment: money earned by working.
4. Scholarships: awards to students with good academic records; do not require repayment.

NSU participates in the following federally regulated student aid programs:

1. Federal Pell Grant.
2. Federal Supplemental Educational Opportunity Grant (SEOG).
3. Federal College Work-Study (FCWS).
4. Leveraging Educational Assistance Partnership Funds (LEAP).
5. Federal Perkins Loan.
6. Federal Family Educational Loan Programs.
 - A. Federal Stafford Student Loan Program.
 1. Federal Subsidized Stafford Loan
 2. Federal Un-Subsidized Stafford Loan
 - B. Federal Parent Plus Loan.

ELIGIBILITY FOR FINANCIAL AID

Eligibility for most forms of financial aid requires demonstrated financial need. Need is defined as the difference between the student's educational expenses and the amount that can be provided by the student and his or her family. Other general requirements for eligibility are:

1. Be a citizen of the U.S. or a national or permanent resident.
2. Be in good academic standing and making significant progress toward a degree.
3. Be pursuing at least three hours for the Pell Grant, six hours for the student loan programs, and at least 12 hours for all other programs, with the exception of the non-traditional SEOG recipient.
4. Be registered with Selective Service (if required).
5. Not owe a refund on a Federal grant or be in default on a Federal Educational Loan.

FINANCIAL AID PROGRAMS

Pell Grants provide amounts which vary according to financial need and resources available. Applications should be obtained through the high school counselor, the NSU Financial Aid Office, or on-line at www.nsula.edu/financialaid. (Not available to a person with a bachelor's degree.)

College Work-Study provides part-time jobs for students who qualify and request positions. Work-study positions are awarded based on eligibility and availability of funds.

Supplemental Educational Opportunity Grants are available to undergraduate students and are based on exceptional need as determined by the Federal Student Aid Report. The amount of an award depends on need, the availability of SEOG funds at NSU, and the amount of other aid received by the student.

Perkins Loans are low-interest loans available to both undergraduate and graduate students. These loans must be repaid, and eligibility is based on need and availability of funds. The student may borrow up to \$20,000 for the duration of a program leading to a bachelor's degree. Students returning for certification in a teaching area are also eligible. An undergraduate student may receive no more than \$4,000 in one academic year. A graduate student may receive no more than \$6,000 in one academic year. A graduate student may borrow up to \$40,000, the total including any amount borrowed as an undergraduate. Repayment must begin nine months after a student graduates, leaves school, or drops below half-time status.

Federal Stafford Student Loans are variable interest loans with a maximum interest ceiling set by law. Stafford loans can have interest that is subsidized or unsubsidized by the federal government. Dependent undergraduates may borrow up to \$2,625 per year for freshman, \$3,500 per year for sophomores, and \$5,500 per year for juniors and seniors. Graduates may borrow up to \$8,500 per year. Students pursuing a Teacher Certification may borrow up to senior undergraduate loan amounts. Students who are in an associate's degree program may borrow only up to second year loan amounts. Eligibility for the subsidized Stafford Loan is based on need. Eligibility for the unsubsidized Stafford Loan is not based on need. The student must make satisfactory progress, as defined by the Financial Aid Office in accordance with federal guidelines, to continue to receive Title IV assistance. A student must file a Federal Application for Student Aid to show eligibility for all federal student aid programs.

Federal Parent Plus Loans and Federal unsubsidized Stafford loans are federally regulated loans for parents and students who need additional funds to pay college expenses. Freshman and Sophomore students may borrow up to \$4,000, Junior and Senior students may borrow up to \$5,000 on the unsubsidized loan and parents may borrow up to their students cost of education after other aid has been deducted. These two loans have a variable interest rate with a ceiling that is set by law. Interest on the Parent Plus Loan must be paid monthly. Interest on the unsubsidized Stafford loan can be paid monthly or accrued on top of the principle of the student loan.

Leveraging Educational Assistance Partnership Funds (LEAP) are available to undergraduate Louisiana residents who demonstrate financial need. The student must be a full-time student with a grade point average of at least 2.0. The availability of grants is determined by state and federal funding of the program.

REQUIREMENTS FOR THE CONTINUATION OF FINANCIAL AID

Students granted financial aid must make satisfactory academic progress in accordance with published standards. Northwestern Satisfactory Academic Progress Standards are printed in the current Financial Aid Data Form that each student must complete to receive financial aid. Copies of the data form or separate copies of the standards are available from the Financial Aid Office, or on-line at www.nsula.edu/financialaid. Any

student who fails to satisfy the published requirements will not be eligible for financial aid during the next year of enrollment. Progress is determined at the end of the Spring semester, or at

the end of any one semester if the student has only attended one semester.

FINANCIAL AID SATISFACTORY ACADEMIC PROGRESS STANDARD CHART

Minimum Progress Standards

	Minimum Semester Hours Earned	Academic Year Hours Earned	Minimum Academic Year Overall GPA
Students with 1-29 semester hours attempted:			
Full-Time Student (12 or more hrs. attempted)	9	18	1.50
3/4 Time Student (9-11 hrs. attempted)	6	12	1.50
1/2 Time Student (6-8 hrs. attempted)	3	6	1.50
Less than 1/2 Time (1-5 hrs. attempted)	must earn all hours attempted		1.50
Students with 30-59 semester hours attempted:			
Full-Time Student (12 or more hrs. attempted)	9	18	1.75
3/4 Time Student (9-11 hrs. attempted)	6	12	1.75
1/2 Time Student (6-8 hrs. attempted)	3	6	1.75
Less than 1/2 Time (1-5 hrs. attempted)	must earn all hours attempted		1.75
Students with 60 or more semester hours attempted:			
Full-Time Student (12 or more hrs. attempted)	12	24	2.00
3/4 Time Student (9-11 hrs. attempted)	9	18	2.00
1/2 Time Student (6-8 hrs. attempted)	6	12	2.00
Less than 1/2 Time (1-5 hrs. attempted)	must earn all hours attempted		2.00
Graduate Students:			
Full-Time Student (9 or more hrs. attempted)	9	18	3.00
Less than Full-Time (1-8 hrs. attempted)	must earn all hours attempted		3.00
Federal Student Aid will be provided for a maximum of:			
*** Associate Degree - Two Year	90 credit hours attempted		
* Bachelor Degree - Four Year	180 credit hours attempted		
** Masters Degree	45 credit hours attempted		
Ph. D. Program	60 credit hours attempted		
Other Programs:			
Certification beyond B.S. Degree	45 credit hours attempted		
2nd Bachelors Degree	90 credit hours beyond 1st Bachelors		
2nd Associate Degree	45 credit hours beyond 1st Associate		
2nd Masters Degree	15 credit hours beyond 1st Masters		
Associate Degree past Bachelors	45 credit hours beyond Bachelors		

* Based on 120 hour degree program. The maximum limit shall be 180 credit hours attempted or 150% of the required hours for the degree program, whichever is greater.

** Based on 30 hour degree program.

*** Based on a 60 hour degree program. The maximum limit shall be 90 credit hours attempted or 150% of the required hours for the degree program, whichever is greater.

TRANSFER STUDENTS

Transfer students must meet the standards of satisfactory progress stated above to receive financial aid at NSU. Students must supply academic transcripts to Financial Aid prior to enrollment at NSU. Transfer students will not be eligible for financial aid without a copy of the transcript from the last school which they attended, additional transcripts may be requested if the student attended several institutions.

FINANCIAL AID APPEALS PROCESS

Students who fail to make satisfactory progress and lose their eligibility may appeal to the Financial Aid Appeals Committee. Appeals are accepted for all semesters. Appeal forms are available from the Financial Aid Office, or on-line at www.nsula.edu/financialaid. A financial aid appeal and an academic appeal are not related.

FINANCIAL AID PAYMENTS

Financial aid funds are paid to students in the form of credits to the students' account after registration/fee payment

three times a year: fall, spring and summer with the exception of first year students' Federal Stafford Student Loans. These funds are held for the first 30 days of attendance as directed by federal guidelines. Recipients of work-study awards receive no funds at registration. Payments are made at the end of each month for hours worked during the pay period.

HOW TO APPLY FOR FINANCIAL AID

1. Apply for admission to NSU.
2. Apply for eligibility for all federal programs by completing the Free Application for Federal Student Aid. Separate forms (Data form, etc.) may be required for the Federal Family Education Loan Programs.
3. Within four to six weeks, applicants will be mailed or emailed a Federal Student Aid Report. This report should be checked for accuracy and corrected if necessary. Upon receipt of your federal information, the applicant will then be sent a NSU Financial Aid Data Form to select the type(s) of financial aid desired (grants, loans, work-study). The student may also be sent additional paperwork to complete if he/she is selected for verification by the Department

- of Education, as additional information is required for processing.
4. Transfer students must submit an academic transcript from each institution they have attended.

WHERE TO APPLY

The Free Application for Federal Student Aid may be obtained from the high school counselor or the Northwestern State University Office of Student Financial Aid or on-line at www.fafsa.ed.gov, or www.nsula.edu/financialaid. The NSU Data Form is also available to be downloaded at www.nsula.edu/financialaid.

WHEN TO APPLY

All required forms related to financial aid applications should be on file in the NSU Office of Financial Aid by May 1st for Fall semesters, November 1st for Spring semesters, and April 1st for Summer sessions. The required forms include the Federal Student Aid Report and NSU Financial Aid Data Form; all transfer students must also submit academic transcripts from previously attended schools.

SELECTION OF RECIPIENTS

The Office of Student Financial Aid determines need on the basis of data received on the Student Aid Reports and the NSU Financial Aid Data Form. Each student will be notified with a NSU Financial Aid Award Notification Letter. This letter must be signed and returned to the Office of Student Financial Aid within 15 days of receipt.

OTHER LOANS

The STUDENT GOVERNMENT ASSOCIATION LOAN FUND is available to assist eligible students meet financial emergencies. These loans, not exceeding \$50, are 30-day short-term loans which have a small service charge. Eligibility for the program is restricted to full-time students who pay the SGA fee, are in good standing with the University and have no outstanding debts to the University. Information concerning these loans may be secured in the Office of the Vice President for Student Affairs.

SCHOLARSHIPS

Scholarships are financial awards given to degree-seeking students who are enrolled or who intend to enroll at Northwestern State University. Scholarships are placed in two categories: academic/leadership scholarships and performance scholarships.

Academic/leadership scholarships are based on a combination of standardized test scores (ACT or SAT), high school grade point average, rank in class, and participation in extracurricular activities. Applications for these scholarships may be obtained from the Office of Admissions and Recruiting, Roy Hall, Room 209. To be considered for these scholarships a student must submit a scholarship application, furnish standardized test scores and a six-semester high school transcript, and apply for admission to the University. The deadlines for academic/leadership scholarships are December 1 and March 1 for the following academic year.

Performance scholarships are based on talent, performance, or service criteria (e.g., members of the Spirit of Northwestern Marching Band, Demon Dazzlers, Pom-Pon, Yell Leaders, Music, Theatre, KNWD, Current Sauce, Argus, Potpourri, Student Government Association, Student Activities Board, Shreveport Student Government Association, Freshman Connection and ROTC). Please contact the corresponding department for more information.

To maintain eligibility for a university scholarship, the student must meet the criteria as stated in the award letter: maintain full-time enrollment status during the fall and spring semesters of the scholarship award period at Northwestern State University, maintain the required semester grade point average, and be in good academic standing with the University.

Information on athletic scholarships can be obtained by contacting the appropriate member of Northwestern's coaching staff. All athletic scholarships are governed by the NCAA rules and regulations.

SCHOLARSHIP CANCELLATION:

There is no automatic probation period for any student on scholarship. Academic/leadership and performance scholarships will be cancelled automatically if the following occurs:

1. The student does not make the required semester grade point average, or
2. The student does not maintain full-time enrollment at Northwestern State University throughout the semester.

SCHOLARSHIP APPEALS:

Students who have had a scholarship cancelled and choose to appeal their scholarship, may obtain a University Scholarship Appeal Form from the Scholarship Office, Room 002 in Roy Hall. Students must complete and return this form by January 15 following a fall semester cancellation and by August 15 following a spring semester cancellation.

RETURN OF TITLE IV FUNDS RESIGNATION INFORMATION

This return policy applies to any student who receives Title IV assistance (Pell Grant, SEOG, LEAP, Perkins Loan, Unsubsidized Federal Stafford Loan, Federal Direct PLUS Loan, and Federal Direct Stafford Loan), and who resigns from the university during the first 60% of the semester. Returns will be made based on the percentage of the payment period or period of enrollment for which the financial aid was awarded that was completed as of the day the student withdrew. The earned percentage is applied to the total amount of Title IV grant and loan assistance that was disbursed (and that could have been disbursed) to the student, or on the student's behalf, for the payment period or period of enrollment for which it was awarded as of the day the student withdrew.

Students who do not officially resign from the University and receive financial assistance will receive an Unofficial Resignation and aid will be adjusted based on the last date of attendance. These students' last day of attendance will be verified for all classes of enrollment through the instructor.

ACADEMIC INFORMATION

The University Core

Northwestern has a broadly based core curriculum that is central to the University's mission and consistent with the Louisiana Board of Regents' requirements for general education. The core encompasses the knowledge and abilities that Northwestern believes are essential to college graduates. Its requirements improve students' writing and speaking, accustom them to using computers, give them an appreciation and knowledge of the arts and humanities, equip them with mathematical skills at the level of college algebra and above, strengthen their understanding of biological and physical sciences, and develop their knowledge of health and nutrition. In addition, these requirements enhance students' problem-solving acumen, critical thinking abilities, and quantitative skills. Finally, the core stimulates independent learning, instills an appreciation of humanity and the environment, and enables graduates to be competent and contributing members of society. Northwestern State University values diversity and seeks to develop an appreciation of the variety of human experiences and an understanding of human differences expressed in a positive and nurturing environment. Diversity refers to the social, political, economic, academic, and historical realities experienced by individuals and groups in complex human encounters and includes culture, demographics, ethnicity, race, gender, sexual orientation, religion, socio-economic status, and exceptionalities. A large number of courses in the core, as well as other courses and program requirements, include diversity concepts. Courses identified as including diversity concepts are indicated by an asterisk.

Courses that meet core requirements have been designed to these purposes. The University core required in each baccalaureate curriculum includes the following:

1. Communications component (9 hours): *English 1010, 1020, and three hours chosen from *English 2050, 2060, 2070, 2080, 3210 (this course has a prerequisite), or Speech 1010.
2. Mathematics component (6 hours taken in pairs indicated and in sequence): Mathematics 1020 and 1060; 1020 and 1090; 1020 and 2010; 1100 (6 hours); or 1810 (6 hours); or 2100 and 2110 (10 hours).
3. Natural science component (9 hours): Three hours from Science 1010, Chemistry 1030, 1040, 1031, 1041, Chemistry 1070, 1080, 1091, Physics 2030-2031, or Physics 2510-2511. Three hours from Science 1020, Biology 1010-1011, Zoology 1230-1231, or Microbiology 2060-2061. Three hours from Science 2000, 2010, 2020, 2030, Physics 1120, or any course which includes a laboratory in biology, botany, chemistry, geology, microbiology, physics, or zoology. Certain course combinations are not permitted. These are described in the list of Courses of Instruction.
4. Fine arts and humanities component (6 hours): *Fine Arts 1040 and three hours from *English 2050, 2060, 2070, or 2080.
5. *Social sciences component (9 hours): Three hours from History 1010, 1020, 2010, 2020. Six hours from Anthropology 1510, 2010, Economics 2010, 2000, Geography 1010, 1020, 2010, History 1010, 1020, 2010, 2020, Philosophy 1010, 1020, Political Science 2010, 2020, Psychology 1010, or Sociology 1010.

6. Health and personal fitness component (4 hours): From Health Education 1010, *1090, Human Performance 1110, or one from the following: Nutrition 1020, 1030, 1050.
7. Orientation component (1 hour): Orientation 1010.
8. Computer literacy component: Various mandatory core courses require computer usage by all students.

Academic Assessment

To ensure quality in its academic program offerings and to comply with requirements of the Louisiana Board of Regents, the Commission on Colleges of the Southern Association of Colleges and Schools, and various national accrediting associations, Northwestern administers a comprehensive program of academic assessment. This includes the administration of special examinations to assess the effectiveness of general education and major fields of study in each baccalaureate degree program. Students are required to participate in academic assessment activities.

Assessment of General Education

To assess the effectiveness of the general education component of baccalaureate degree programs, Northwestern administers several subsets of the ACT/CAAP (ACT's College Academic Assessment Program) examination. These include the areas of mathematics, science reasoning, and writing.

Assessment of Major Fields of Study

Each student completing a baccalaureate degree program at Northwestern takes an appropriate senior examination that assesses how well the program meets its objectives. Most examinations for major field assessment are normed on a large population of students completing degrees in that field.

Registration in a Degree Program

Each student entering NSU must register in a curriculum, and in order to graduate must complete satisfactorily the work required as described in the catalog in effect at the time of registration in that curriculum or the one in effect at the time degree requirements are completed.

A student who does not attend NSU for three consecutive (including summer) semesters or longer and who then returns to the University must complete the course work prescribed in the catalog which is in effect at the time of the return.

A student who transfers to another curriculum at NSU must complete the course work prescribed in the catalog in effect at the time the transfer is made.

After registering in a curriculum, a student is expected to complete the work required in that curriculum within seven years. A student who misses three consecutive semesters must enter under the catalog in effect at the time of their re-entry. Exceptions to this requirement may result from actions taken by authorities higher than the University and may arise in certain cases involving teacher certification.

Requirements for a Second Major

If students choose to earn two majors or a major and minor they must be earned simultaneously. This can be accomplished by completing all requirements for both majors or by complet-

ing all requirements for the major and minor simultaneously. When earning two majors students must designate a primary major, a secondary major and indicate on the graduation application the second major. Students will only earn the degree and diploma associated with the primary major. The second major or the minor will be entered on the transcript. Students may not earn a second major after graduating with a first major and degree unless they earn a second degree (30 additional hours). Students may not earn a minor with an Associate Degree or without simultaneously earning a baccalaureate degree.

Requirements for Concentrations

A concentration is an alternative track of courses within a major, accounting for at least 30% of the major requirements. Concentrations can only be earned within each specified major.

Concurrent Baccalaureate and Master's Program Enrollment

Graduating seniors who have a minimum cumulative undergraduate grade point average of 3.2 on all undergraduate work attempted may be allowed to register for graduate credit if they meet the following criteria:

1. Their admission into the program is approved by their academic dean and graduate dean.
2. The students lack no more than 30 semester hours to complete baccalaureate degree requirements.
3. The students may earn no more than 12 graduate credits hours while completing baccalaureate requirements.
4. Courses taken for graduate credit cannot be used to satisfy undergraduate requirements.
5. Such students retain their undergraduate status until they are awarded the baccalaureate degree.
6. While in the concurrent program, students shall maintain a minimum cumulative graduate grade point average of 3.0.

REQUIREMENTS FOR GRADUATION

Student Responsibility

Students are personally responsible for completing all requirements established for their degree by the University. It is the student's responsibility to be informed of these requirements. A student's advisor may not assume these responsibilities and may not substitute, waive, or exempt the student from any established requirement or academic standard.

Changes in academic regulations enacted between catalog publications are published in the University newspaper and posted on bulletin boards. Students are responsible for knowing these changes.

It is the student's responsibility to make official application for graduation, using a form obtained in the office of his/her academic dean. The deadline for filing the completed form is near the beginning of the semester preceding the anticipated semester of graduation. Summer/Fall graduation candidates must make application at the beginning of the preceding spring semester. Spring candidates must apply at the beginning of the preceding fall semester.

Requirements for the Baccalaureate Degree

1. Complete a minimum of 120 semester hours of academic work, exclusive of physical activity and extra-curricular activity credits.
2. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
3. Complete the senior year in residence, defined as the last 30 semester hours of course work to be counted toward the degree.
4. Earn at least 12 semester hours in the major field in upper-level courses (numbered 3000 and above) taken in residence at NSU.
5. Earn at least a C (2.0) average on all hours pursued toward a degree, on all hours pursued in the major field, and on all hours pursued in the minor field, if a minor is required.
6. Earn at least a C (2.0) average on all hours pursued at NSU and on all hours pursued in the major field at NSU.
7. Complete an approved curriculum. This catalog prescribes in detail the requirements for graduation in all curricula offered by the University.
8. Complete the University general education (core) requirements for the baccalaureate degree.
9. Clear all University accounts.
10. Diplomas reflect degree designations as specified by the Board of Regents.
11. Participate in commencement exercises unless excused by the Registrar.

Requirements for a Double Degree

Students who wish to pursue two baccalaureate degrees simultaneously at Northwestern must complete thirty semester hours in addition to the requirements for the first degree and complete all requirements for both degrees. Students will earn a diploma for each degree, and both degrees will be posted on the transcript.

Requirements for a Second Baccalaureate Degree

After completion of a baccalaureate degree from Northwestern or from a regionally accredited institution, a student may earn a second baccalaureate degree in another area of study. To do so, all requirements for the second degree must be completed, and at least 30 semester hours must be earned at Northwestern in addition to the number of hours required for the first degree. For an associate degree, 15 additional semester hours must be earned. Courses common to both degree programs need not be repeated if grades earned are satisfactory.

Requirements for the Associate Degree

1. Complete a minimum of 60 semester hours of academic work, exclusive of physical activity and extra-curricular activity credits.
2. Earn at least a C (2.0) average in all courses used to satisfy degree requirements.
3. Earn at least a C (2.0) average in all courses taken at NSU which are used to satisfy degree requirements.
4. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
5. Complete the Louisiana Board of Regents general education requirements for an associate degree program.
6. Complete an approved program. The same stipulations regarding the registration in a degree program stated above

- for baccalaureate programs apply to associate degree programs.
- 7. Clear all University accounts.
- 8. Participate in commencement exercises unless excused by the University Registrar.

Requirements for Graduate Degrees

The requirements for the various graduate degrees are outlined in the sections describing the departmental curricula. General requirements are given in the section on Graduate Studies and Research.

MATRICULATION

Faculty Advisors

All students are advised by academic advisors. Academic advising is regarded by the University as an extension of the teaching function and, therefore, as an important responsibility of the faculty. Faculty are usually assigned to advise students who have indicated an interest in their particular field of specialization. The names of assigned faculty advisors may be obtained from the office of the appropriate dean.

Faculty advisors are available to students throughout the academic year, but their role is especially important during the registration period. The advisor will explain University academic requirements and assist the student in planning a program which satisfies these requirements. The advisor will also explore career alternatives and aid in any academic or personal problems. The student should be aware, however, that knowledge of and adherence to regulations of the University, both academic and otherwise, are the ultimate responsibility of the student.

Registration

Students begin the registration process by meeting with their faculty advisor to develop a schedule of classes. To complete the registration, the student should follow the procedure published each term in the Schedule of Classes, available in the University Registrar and Admissions Office.

MAXIMUM AND MINIMUM HOURS OF ENROLLMENT

The maximum amount of course work for which an undergraduate student may register in a regular semester is 21 semester hours (12 in a summer session). The minimum load for a full-time student in a regular semester is 12 semester hours (six in a summer session) unless the student is a candidate for graduation with fewer hours remaining to be taken or is pursuing a curriculum which requires fewer hours during that semester or summer session. Any exception to these maximum and minimum load limits requires the prior approval of the academic dean.

Course Load — Summer Sessions

UNDERGRADUATE COURSE LOAD/MAXIMUM HOURS OF ENROLLMENT:

1. An undergraduate student may earn only one hour of undergraduate credit per week in a summer session.
2. An undergraduate may take only one three-hour course in a three-week session. An undergraduate student may not take two three-hour courses in the same three-week session even though one course is in the morning and the other in the evening.
3. An undergraduate student may take one three-hour course and a one-hour or two-hour activity course or lab in the same three-week session. Example: PE, MUS, DAN, and LAB courses.
4. An undergraduate student may take one three-hour, three-week course with another course that overlaps another session, such as the following: six-week, eight-week, nine-week, and twelve-week courses. The general rule is one credit hour per week.
5. An undergraduate student may take only two three-hour courses, or a maximum of six credit hours in a six-week session.
6. An undergraduate student may take up to three three-hour, eight-week courses at the same time. This averages nine credit hours in an eight-week period. The University has the approval of the Board of Regents for this exception.
7. The maximum amount of course work for which an undergraduate student may register in a summer session is twelve semester hours. Any exception to the maximum load limits requires prior approval of the student's academic dean.
8. An undergraduate student is considered full-time when enrolling in at least six hours of credit for the summer.

Late Registration

Students who have not registered for any classes prior to the first day of class will be assessed a \$50.00 NON-REFUNDABLE late registration fee. Students who have registered for at least one class prior to the first day of classes will not be assessed the late registration fee for dropping and/or adding classes during the first four days of classes. No student is permitted to register after the established period for late registration.

Orientation

All freshmen must take Orientation 1010 during their first period of enrollment at NSU unless credit has been received from another institution or the student has transferred in 30 credit hours or more. This course is required for graduation in any undergraduate curriculum.

Freshman English

Freshmen and undergraduate transfer students who have not completed English 1010 and/or 1020 must register immediately for 1010 (or 1020 if they have credit for 1010) and continue to enroll until they successfully complete the Freshman English sequence. English 1010 is a prerequisite for 1020; English 1020 is a prerequisite for all higher-level English courses.

Auditing Courses

A student may audit courses under the following conditions:

1. No credit is earned for any course audited.
2. An auditor may be excluded from a course at the discretion of the head of the department offering the course. If space in a class is limited, students taking the course for credit are given preference over auditors, even though the latter may have enrolled first.
3. A special examination for credit may not be taken in any course already audited.

- Enrollment in any course as an auditor must be accomplished prior to the close of the last day to register for credit. The change from credit to audit status may be made until the end of the drop period.
- A student who audits a course is subject to attendance regulations. If the auditor accumulates unexcused absences in excess of ten percent of the total classes in the course, the instructor may drop the student with a grade of X.

A person not enrolled for credit in any other course may audit one or more courses each semester subject to both the above conditions for auditing courses and the following additional conditions:

- Permission to register in courses for audit must be obtained from the University Registrar and Admissions Office.
- All prescribed fees must be paid.
- Auditors are subject to all University regulations related to discipline and personal conduct.
- Auditors may use the library and bookstore. Dormitories, meal tickets, and other student privileges may be used with permission of the Vice President for Student Affairs.
- Vehicles must be registered with the University Police, and the student parking fee must be paid.

Registration for Graduation Only

A student may register "for graduation only" if all requirements for the degree(s) sought have been met. All course work pursued must be completed, and all grades must be submitted to the Registrar before registration "for graduation only" will be considered.

Registration "for graduation only" will not be processed by the Registrar until the academic dean has reviewed the request and has certified that the conditions stated above have been met.

Registration for graduation only must be accomplished prior to the last day to add courses. This date is determined by the Registrar.

Classification of Students

Semester hour requirements for the classification of students are as follows:

	Class	Semester Hours
Freshman	1	0-29
Sophomore	2	30-59
Junior	3	60-89
Senior	4	90+

Definition of a Full-Time Student

A full-time student is one who is taking at least 12 semester hours of scheduled work in a regular semester, at least six hours of work in a summer session, or at least six hours in an eight-week term. The minimum load for a full-time student in a regular semester is 12 semester hours (six in a summer session) unless the student is a candidate for graduation with fewer hours remaining to be taken or is pursuing a curriculum which requires fewer hours during that semester or summer session.

Definition of a Part-Time Student

A part-time student is one who is taking less than 12 hours of work in a regular semester, or less than six hours in a summer session or eight-week term.

Definition of Hours Pursued

Hours pursued are defined as all courses completed and those courses not completed in which the grade of WA, WB, WC, WD, WF, or WZ is received on a semester basis. "W" plus grades are not used to compute cumulative grade point averages except for students who are on probation and then, only to determine academic status.

Developmental Education

A comprehensive developmental education program that offers college preparation courses in English, mathematics, and study skills is provided. A variety of support services are also available to assist students in their studies. The major purpose of the program is to train students in the basic skills needed to compete at the college level.

Students are placed in developmental education classes on the basis of American College Test scores. Students who do not have ACT scores will be placed in beginning-level developmental education classes.

Classes include Mathematics 0920, and 0922; English 0920; and Academic Skills 1010. Students are provided specialized instruction, laboratory facilities, tutoring, academic advising, personal counseling, and workshops on college survival skills.

Developmental education students must enroll in and complete any developmental course requirements during the first three semesters of enrollment at Northwestern. Achievement of a letter grade of C or better is required to exit a developmental education course or to progress to a higher level of that subject area. If, after three semesters, a student has not completed all developmental mathematics and English requirements, the student will not be eligible to continue at the University. An exception may be made for a student with an overall average of 2.0 and only one developmental deficiency, subject to the approval of the appropriate dean. Otherwise, in order to be readmitted, a student must submit ACT scores or Northwestern placement scores indicating placement beyond the developmental level in both English and mathematics. A developmental education student may not enter freshman-level mathematics until developmental mathematics courses are completed or freshman-level English until developmental English courses are completed.

Developmental education courses do not fulfill degree requirements at Northwestern; they are extra hours added to the student's transcript. Developmental education courses are used to compute a student's grade point average.

Many students reach college without adequate academic preparation. For these students the developmental education program can play an important part in the achievement of a degree or the satisfaction of these students' postsecondary education aspirations.

General Studies

The General Studies Curriculum is offered for students entering the University who have not selected a major area of study. Open Option program assists students in major declaration, typically at 45-60 credit hours and includes career decision-making courses and workshops, a Major's Fair and an interactive web site. For more information, contact the Academic Advising Center of University College in Kyser Hall.

American Humanics Certification Program

The American Humanics Certification provides students the academic background and leadership skills necessary to pursue a career with a nonprofit organization upon graduation. The program is designed to complement a student's major so that a minimal extra amount of coursework is required for the student to complete traditional degree requirements. Upon graduation students are certified and prepared for careers with voluntary youth and human services agencies.

The certificate in Nonprofit Leadership is affiliated with the National Office of American Humanics and the American Humanics Program at Louisiana State University – Shreveport. For more information about the certificate in Nonprofit Leadership, contact University College at 318-357-5000.

Military Obligations and University Study

NSU is aware that students who are members of the Armed Forces are subject to calls to duty which may interrupt their studies, and that some students wish to pursue officer-candidacy programs that may conflict with University work. Northwestern State University has a written policy that guide the process for withdrawal of a student activated for military service. Please contact the University Registrar and Admissions Office for a copy of the policy.

Northwestern International Programs

Courses are offered by the University at international study sites, usually during the summer, with instruction by regular Northwestern faculty members. Academic classes and sites vary each year.

The University is a member of the International Student Exchange Program (ISEP), a network of 230 institutions of higher education that exchange students between the United States and 33 countries around the world, including members from Africa, Asia, Australia, the British Isles, Canada, Europe and Latin America. Through ISEP, students at NSU may be placed at member institutions abroad. ISEP participants are fully matriculated at their host institutions and enroll in courses and sit for examinations with regularly enrolled students. ISEP exchange can take place in most academic disciplines and at any academic level. Students who choose to study at a host institution where the language of instruction is not English will be required to demonstrate proficiency in the foreign language. ISEP exchanges normally last for a full academic year, but some institutions make one-term or summer exchanges available. Students can apply to extend their exchange period in certain circumstances for as long as an additional academic year.

ISEP students pay regular tuition and fees (including room and board) at NSU and receive equivalent benefits at their host institution. Most forms of financial aid and many scholarships can be applied toward participation in ISEP. Credit earned in the ISEP program can be applied toward a degree at NSU. In some cases, enrollment in a degree program at an ISEP host institution can be arranged.

Additional information about the program can be obtained from the ISEP Coordinator, Dr. Jim Picht, 121 Morrison Hall.

Northwestern is a member of The Council for the Development of French in Louisiana (CODOFIL), and the Interuniversity Mission for the Coordination of Franco-American Exchanges (MICEFA), which provide opportunities for the training of teachers of French (K-12) and other exchanges, particularly those emphasizing intensive study of French at institutions in France and in French territories. Proficiency in

French is required. Students pay regular tuition and fees at NSU and receive equivalent benefits at their host institution. Most forms of financial aid and many scholarship packages can be applied toward participation in these programs. Credit earned can be applied toward a degree at NSU. Additional scholarship support from the government of France is available to qualified students.

Additional information about the program can be obtained from NSU's CODOFIL representative, Dr. Lisa Wolffe, 120 Morrison Hall.

As part of the Classical Consortium of the University of Louisiana System, Northwestern is a member of the Intercollegiate Center for Classical Studies in Rome (ICCS), providing students with an opportunity to study ancient history and archaeology, Greek and Latin literature, and ancient art in Rome during the academic year. A background in Greek or Latin is required. Students take 16 to 20 hours per semester and receive credit from Duke University, which can be applied toward a degree at NSU. Most forms of financial aid can be applied toward participation in this program.

Additional information about the program can be obtained from the ICCS Coordinator, Dr. Jean D'Amato Thomas, 217 Morrison Hall.

Cooperative Occupational Work Program

Northwestern State University has a Cooperative Occupational Work Program whereby students can gain on-the-job practical training while they pursue their formal education. University credit, as well as pay, is earned by the students as they participate in these institutionally planned and supervised work experiences.

For further information contact The Office of Cooperative Education, Northwestern State University, Natchitoches, Louisiana 71497-0002 or telephone (318) 357-5715.

ACADEMIC REGULATIONS

Dropping and Adding Courses

1. Courses may be added during the registration period as described in the schedule of classes.
2. A student may drop a course or courses with grades of "W" prior to the date specified in the Official University Academic Calendar. After that specified date, students may not drop a course with a "W" grade. A grade of "F" will be assigned to a student who does not officially drop a course(s).
3. Students in the Armed Forces who must drop a class because of a military obligation must submit to the Registrar a statement to that effect from their commanding officer to avoid the usual academic penalties.
4. A student who wishes to drop all courses in which he or she is enrolled must complete an official resignation from the University.
5. Courses dropped with a grade of "W" carry no academic penalties, are not refunded at any time, and will not be credited to a student's account.

Repeating Courses

When a course is repeated at Northwestern State University or transferred to NSU, all grades earned will be used in computing the grade point average. This means that all attempts at a repeated course will be computed into the cumulative (overall) grade point average and all course grades will appear on the transcript.

If a course is failed at NSU, credit can only be obtained for the course by repeating the course at NSU. If a course is taken at NSU in which a specific grade is required and that grade is not obtained, the course must be repeated at NSU.

The *adjusted graduation grade point average* is the average figured on all coursework earned toward the degree. When a student repeats a course, the last grade received shall be accepted as the final grade in determining graduation requirements and for "satisfactory progress" of all student-athletes.

The *cumulative (overall) grade point average* is based upon all hours pursued, including repeats, and is used in determining honors for graduation and probation/suspension status. All hours pursued, regardless of grades, will be considered for financial aid eligibility determination. This includes any form of the grade of "W".

Substituting Courses

Authorization for a student to substitute a course for another specified in a curriculum requires the approval of the student's advisor, the head of the department that offers the required course, and the student's academic dean.

Class Attendance – Drop for Excessive Absences

Class attendance is regarded as an obligation as well as a privilege, and all students are expected to attend regularly and punctually all classes in which they are enrolled. Failure to do so may jeopardize a student's scholastic standing and may lead to suspension from the University.

Each instructor must keep a permanent attendance record for each class. A copy of these records are to be submitted to the University Registrar and Admissions Office twice in regular

semesters and during the first week of each summer session by a date specified by the Registrar.

Faculty members are required to state in writing and explain to the student their expectations in regard to class attendance during the first week of classes.

A student shall submit excuses for all class absences to the appropriate instructor within three class days after the student returns to the respective class. The instructor may excuse the student for being absent and shall accept an official University excuse.

A student who is tardy for a class meeting should resolve the matter with the instructor at the end of the class period during which the tardiness occurred. Otherwise, the instructor may treat the tardiness as an absence.

Students are responsible for all classwork missed regardless of the reason for the absence. Immediately upon the student's return to class a conference should be arranged with the instructor to determine what action, on the student's part, is necessary to compensate for the time lost and materials missed due to the absence.

When a student enrolled in a course numbered 2999 or below receives excessive unexcused absences (ten percent of the total class meetings), the instructor may complete the Excessive Unexcused Absences Report of Grade Form and submit it to the academic dean of the course recommending that the student be dropped from the rolls of that class and be given an appropriate grade. Students with an unsatisfactory performance record in the course shall receive an "F" grade. Other students may receive an "X" grade indicating that they were dropped for excessive absences. A grade of "F" or "X" may be given if a student has five or more unexcused absences for MWF classes, four or more excessive unexcused absences for TR classes, and two or more unexcused absences for classes that meet for three hours one time a week (Monday – Saturday).

In any level class, the instructor may establish a grading policy that incorporates attendance requirements.

Dismissal of Students from Classes

Any instructor may, under certain conditions, dismiss a student from a class. The action requires the approval of the head of the department which offers the course and the academic dean. It will be done only if all academic personnel concerned feel that all other reasonable measures to correct the situation are inappropriate or ineffective.

The instructor who wishes to dismiss a student from one of his or her classes must prepare and sign a written notice of dismissal and submit it for approval to the department head and dean. The notice is to include the grade recommended by the instructor (either W or F). If the department head and dean approve the dismissal, copies of the notice will be given immediately to the Registrar and the student.

If a dismissed student feels that the action taken was improper, an appeal may be made to the instructor and/or others concerned. The student may also appeal to the Admission, Credits, and Graduation Council. This appeal must be initiated at the University Registrar and Admissions Office within five days after the date of the dismissal notice.

If the dismissal is approved following proper review and consultation, the Registrar will enter the appropriate grade on the student's record.

Resignation from the University

At some time it may be necessary for a student to leave school. If this should occur, the student should not leave without completing an official resignation that will protect his or her academic standing. Please note carefully:

1. Students who drop all courses in which they are registered must officially resign from the University.
2. Students must initiate the resignation process in the office of their academic dean by completing a resignation/cancellation form or log on at www2.nsula.edu.
3. A student may resign from the institution with grades of "W" prior to a date specified in the official University academic calendar. After that specified date, students may not drop a course or resign with a "W" grade.
4. Students who leave the University without completing an official resignation will have grades of "F" recorded in all courses in which they are registered and will be charged all fees associated with their registration.
5. Students unable to come to campus and without Internet access may fax a letter of resignation to the University Registrar and Admissions Office at (318) 357-5823.
6. Any student who resigns during the specified midterm period will be assigned the grades earned in each course at midterm (WA, WB, WC, WD, WF, WP, WZ). These grades will be used to determine academic status for those students who are on academic probation. Midterm dates are assigned by the Registrar.
7. Students who do not officially resign from the University and receive financial assistance will receive an Unofficial Resignation and aid will be adjusted based on the last date of attendance. These students' last day of attendance will be verified for all classes of enrollment through the instructor.

Students who have extraordinary cases with extenuating circumstances may submit to their academic dean a letter of appeal along with documentation to substantiate the case. Extraordinary cases do not include dissatisfaction with an anticipated grade or the decision to change a major.

- (a) Approval of an appeal for dropping a course or resigning after the published date may be granted by the student's dean only for a documented reason which prohibited the completion of a course(s). Examples of cases eligible for appeal include but are not limited to illness (injury to student), death in student's immediate family, natural disaster or exceptional traumatic event, and military duty. If the approval to drop a course is granted, the student must also have been passing the course immediately prior to the hardship, and the grade assigned shall be a "W". If the dean allows the student to resign, a "W" grade shall be assigned in all courses. If the appeal is approved, the dean will notify the instructor and the Registrar.
- (b) Retroactive withdrawal after a semester ends is permitted only by approval of a student appeal to the Council on Admission, Credits, and Graduation. Information and appeal forms may be obtained from the University Registrar and Admissions Office or by accessing the University Registrar and Admissions Office web page at www.nsula.edu/registrar.

Council on Admission, Credits, and Graduation

Students with extenuating circumstances, which prevent completion of a semester, may request an exception to the resignation/cancellation policies by completing an Admission, Credits, and Graduation Appeal Application along with appropriate documentation. Extraordinary cases do not include dissatisfaction with a grade, instructor, content of the course, the decision to change a major, or removal of grades of "W" based on non-attendance of classes. Appeals for a cancellation or resignation in selected classes must be based on administrative reasons only. Appeal applications will not be accepted after 3 calendar years from the end of the semester being appealed. Effective beginning with the 2003 fall semester, a student may request a cancellation of classes only once in an academic career. Exceptions to this policy are subject to approval by the appropriate Vice President.

Refund Policy

STANDARD UNIVERSITY RESIGNATION REFUND POLICY

- A. A **100% refund** of registration, out-of-state, laboratory, and student association fees will be made when a student officially resigns on or before the last day to register for credit.
- B. A **50% refund** of registration, out-of-state, and laboratory fees only will be made when a student officially resigns within seven calendar days after the last day to register for credit.

The following charges are non-refundable: alumni fee, parking permit fee, installment plan charge, late registration fee, infirmity fee, room application fee and application fee.

Student insurance is refundable only if requested in writing to Health Services within the first two weeks after the opening date of a regular semester's registration with submission of proof of coverage under another policy.

Courses dropped with a grade of "W" are not refundable at any time and will not be credited to a student's account. In some cases, the refund policy will result in a reduction of charges and not a "cash" refund.

RETURN OF TITLE IV FUNDS – This return policy applies to any student who receives Title IV assistance (Pell Grant, SEOG, Perkins Loan, Unsubsidized Federal Stafford Loan, Federal Direct PLUS Loan, and Federal Direct Stafford Loan), and who resigns from the University during the first 60% of the semester. Returns will be made based on the percentage of the payment period or period of enrollment for which the financial aid was awarded that was completed as of the day the student withdrew. The earned percentage is applied to the total amount of Title IV grant and loan assistance that was disbursed (and that could have been disbursed) to the student, or on the student's behalf, for the payment period or period of enrollment for which it was awarded as of the day the student withdrew.

Scholastic Probation, Suspension, and Readmission Regulations

There are three categories of academic standing: academic good standing, academic probation, and academic suspension (one semester or one year). Although students will usually receive official notification of academic standing, such notice is not a prerequisite to students being placed in one of the above

categories. It is the responsibility of each student to ascertain academic status prior to the beginning of the next enrollment period. Professional departments or divisions within the university may set additional academic standards for progression in their programs. The word "semester" as applied in this policy, includes summer terms.

ACADEMIC PROBATION

1. A student will be placed on academic probation whenever the cumulative grade point average is 10 or more quality points below a 2.0 average ($A=4.0$); that is, the total quality hours multiplied by two, exceeds quality points earned by 10 or more (e.g. Student has 15 quality hours and earns 21 quality points. Multiply $15 \times 2=30$; subtract 21 from $30=9$; student is not on probation because nine is less than 10). The definition of "quality hour" is any semester hour taken for which a grade of A, B, C, D, F, I, or Z is assigned. (Grades of I and Z are treated the same as the grade of F until resolved).
2. Once on academic probation, a student will remain on probation (as long as each semester grade point average is at least 2.0) until the cumulative grade point average of 2.0 or higher is achieved. While on probation, a student must earn at least a 2.0 semester grade point average to remain in school.
3. Once a cumulative grade point average of 2.0 or higher is achieved, a student will be placed in academic good standing.
4. Transfer students are placed on academic probation if the cumulative grade point average is 10 or more quality points below a 2.0 average.

ACADEMIC SUSPENSION

1. A student on academic probation will be suspended at the conclusion of any semester in which the student fails to earn a semester grade point average of at least 2.0. First-time freshmen admitted in good standing will not be suspended prior to the completion of two semesters of enrollment.
2. A student suspended for the first time will be suspended for a period of one semester. All subsequent suspension periods are for one full calendar year.
3. A student suspended for the first time at the end of a spring semester may attend summer school without appeal. If the student raises their cumulative grade point average to 2.0 or higher, they are placed in academic good standing and their suspension period is lifted. They may then attend the fall semester without appeal. If they do not raise their cumulative grade point average to 2.0 or higher in the summer session, the suspension for the fall semester is in effect. In this case, only one suspension is counted against the student.
4. A student suspended for second or subsequent time at the end of the spring semester may also attend summer school. To be readmitted to any semester other than the summer session, students must appeal.
5. A student suspended from Northwestern may not enroll in another university within the Board of Supervisors system, but may enroll in a community college with approval of both Northwestern and the community college. Credits earned under these conditions may be accepted for a degree at Northwestern provided grades of "C" or higher are earned in each of the courses to be transferred.

READMISSION FROM SUSPENSION

1. A student who has been scholastically suspended from the university may appeal to the Registrar for a waiver of suspension provided the student can document evidence

of extenuating circumstances and provide justification for suspension waiver. Appeals may be granted or denied.

2. A student suspended from Northwestern may not enroll in another university within the Board of Supervisors system, but may enroll in a community college with approval of both this university and the community college. Credits earned under these conditions may be accepted for a degree at Northwestern providing grades of C or higher are earned in each of the courses to be transferred.
3. Transfer students who have been suspended from other systems may appeal to enroll at Northwestern during the academic suspension period only if they have a 2.0 cumulative average. Appeals may be granted or denied.
4. A student who has completed a suspension period may re-apply for admission to the University. Applications for readmission may be granted, or denied.

Academic Appeals

Students who have been suspended for scholastic reasons and feel that their work was adversely affected by circumstances beyond their control may request that the period of their suspension be waived. Appeal forms are available in the University Registrar and Admissions Office. Academic appeals for suspension must be submitted to the University Registrar and Admissions Office no later than the date set by the Registrar each semester.

Academic Bankruptcy

Undergraduate students may, at the time of application for admission or readmission to the University, file for academic bankruptcy if they have not been enrolled in any college or university for a period of at least three calendar years immediately preceding their intended enrollment at NSU.

The following conditions will apply:

1. The student will forfeit the use of all college or university credits earned prior to the date academic bankruptcy was declared, including credits earned through any type of advanced placement program.
2. The student's record will be inscribed with the notation "Academic Bankruptcy Declared (date)."
3. No courses taken prior to the declaration of Academic Bankruptcy will be used in the calculation of the student's grade point average and may not be used to fulfill requirements of any kind.
4. The student will be ineligible for special academic honors conferred by the University except as justified by the entire academic record, which includes courses taken prior to the declaration of Academic Bankruptcy.
5. A student who has declared Academic Bankruptcy will be considered as an entering freshman and will be subject to all policies for placement in courses. Specifically, such students will be required to take the American College Test and/or University placement tests to determine placement in English and mathematics courses.
6. A declaration of Academic Bankruptcy is final and irreversible, and may only be exercised once in a student's academic career.
7. Declaration of Academic Bankruptcy does not pertain to accumulated financial aid history. Accumulated semester and award limits include all semesters of enrollment, both before and after the declaration.
8. These policies concerning Academic Bankruptcy pertain only to Northwestern State University.

To request Academic Bankruptcy, a student must submit a completed Application for Admission, required Application Fee, Petition for Academic Bankruptcy, and all official transcripts of prior college or university work to the University Registrar and Admissions Office at least two weeks prior to the beginning of the intended semester of enrollment. After reviewing all records to determine that the student has submitted all required transcripts and has met the three-year period of non-enrollment, the University Registrar and Admissions Office will verify, sign the request, and forward the material to the appropriate dean. The dean will ensure that the student is counseled, act on the request, and return the material to the University Registrar and Admissions Office.

GRADES

Grades and Quality Points

Letter grades based on the quality of work are assigned in most courses at NSU. Grades generally used are A (excellent), B (good), C (average), D (poor), and F (failure). A grade of I (incomplete) in a course means that the student's work in that course is incomplete due to circumstances beyond his or her control, as determined by the instructor, and that completion of the work could lead to a passing grade. Except for thesis courses or those courses in which the student is writing a formal research project/paper-in-lieu of a thesis, incomplete grades must be removed within 60 calendar days after the official closing date of the term in which the grade was assigned. If the work is not completed within the allotted time, the grade of I will be changed to F. Incomplete grades may be assigned to independent study courses, thesis, research, and special problem courses.

A grade of IP (In progress) means that work in a research or thesis course is incomplete, but in progress. An IP grade will not be changed to F and does not average into the student's grade point average.

The academic dean of the course can grant the student no more than one 60 day extension to complete the course work after the final day for removal of I grades provided the student has documented extenuating circumstances. Only one extension may be granted – then after that a grade of F will be assigned if the course work is not completed by the extended date.

A course may be repeated; however, all grades earned will be calculated in the cumulative grade point average.

If a course is failed at NSU, credit can be obtained for the course only by repeating the course at NSU. If a course is taken at NSU in which a specific grade is required and that grade is not obtained, the course must be repeated at NSU.

The grade of W is used to represent an official withdrawal from a course. The grade of X is used to indicate that the student was dropped by the academic dean for excessive absences.

Grades are entered on academic records at the end of each semester or summer session. Students receive grades via the Internet following the completion of each semester.

The quality of work done by a student is also measured in terms of "quality points." One who earns an A in a course is awarded four quality points for each semester hour of the course. For example, an A in a three-hour course represents 12 quality points. Quality points earned for other grades are three quality points per hour for each B grade, two per hour for each C grade, and one per hour for each D grade. Grades of P, S, U, F, I, W, Z, X, IP, and WN yield no quality points. Quality points provide a simple method of calculating the average quality of a student's academic work. A student's overall cumulative grade

point average is obtained by dividing the total quality points by the total number of quality hours.

Under certain limited conditions, grades of S (satisfactory) or P (pass) may be awarded. All credits earned or awarded through special examinations for credit, CLEP, military service, and those accepted on the basis of foreign transcripts are recorded with grades of S. Grades of P and F may be awarded for credit earned in courses only after prior approval by the University Curriculum Review Council.

Appeal of Reported Grade

Undergraduate students who receive grades they believe do not reflect the quality of their work may appeal these grades within 120 calendar days following the academic period in which the grades were earned. The procedure for appeal is as follows:

1. The student should consult the instructor to see if an understanding can be reached. The student is entitled to an explanation as to how the grade was determined and to examine any tests, papers, or other information pertinent to the appeal.
2. If the conference is not satisfactory, the student should secure a Grade Appeal Form from the University Registrar and Admissions Office or the office of the dean of the college in which the course was offered. The student may discuss the appeal informally with the dean if the student so desires.
3. In filing a formal appeal, the student should complete the appeal form, stating the nature of the appeal, providing a detailed description of the justification, and requesting a specific action. Since the written appeal will be the basis for the ultimate decision, the student should ensure that it is clear, complete, and inclusive of all documentation the student wishes to have considered in the appeal process. It is the student's responsibility to present written evidence that the instructor made an error or acted arbitrarily or capriciously in assigning the grade.
4. The student should submit the completed appeal form to the instructor for review. If a solution is not found, the instructor should provide a written response to the student's appeal, providing documentation as to how the grade was determined. The instructor's response should include a copy of the course outline or syllabus provided to the student's class at the beginning of the semester or term.
5. After having met with the instructor and obtaining his or her written response to the appeal, the student may submit the form to the head of the academic department that owns the course. Following a review of the student's appeal and the instructor's response, the department head should provide his or her written opinion of the appeal along with any additional, pertinent information.
6. If the student is unsatisfied with the opinion of the department head, he or she may submit the appeal to the academic dean of the college offering the course. If the student is unsatisfied with the opinion of the dean, he or she may submit the written appeal with all signatures to the Registrar. At that time, a meeting of the subcommittee on grade appeals for the Council on Admission, Credits, and Graduation will be called to review and make a final decision on the appeal. The Registrar will notify the student of the decision.

Academic Honor Code

Academic dishonesty is defined as the following: 1) acquiring or using a published test bank, 2) copying from another student's test, paper or computer file, 3) using unauthorized ma-

terials during a test, 4) collaborating during a test with any other person by giving or receiving information without authority, 5) stealing, buying, or otherwise obtaining non-administered or unauthorized tests, 6) selling or giving away non-administered or unauthorized tests, 7) bribing anyone to obtain information about a test, 8) substituting for another student or permitting another person to substitute for oneself to take a test, 9) submitting as your own, in fulfillment of academic requirements, any work prepared totally or in part by another, 10) supplying to another student any theme, report, or other work for use in fulfilling academic requirements, and 11) plagiarism, defined as the use of another person's work and the unacknowledged incorporations of that work in one's own work that is offered for credit.

Academic dishonesty will result in one of the following disciplinary measures to be decided by the course instructor: 1) verbal/written warning, 2) conference with department chair or dean, 3) reduction of test/course grade to an "F". A student may subsequently be placed on probation or suspended or expelled and forced to withdraw from Northwestern as a result of academic dishonesty.

Refer to the section in the Student Handbook concerning Academic Infractions and Sanctions for Academic Misconduct.

Semester Examinations

Final examinations are scheduled at the end of each regular semester and summer session. Any departure from the published examination schedule requires prior approval of the Provost and Vice President for Academic Affairs.

No student may be excused from a final examination. Absence from a final examination, other than in a case of extreme emergency, is construed and recorded as failure in the course.

Final Grades

Grades are entered on academic records at the end of each semester or summer session. Students may view their grades by accessing the Web for Students section of the NSU web page, www2.nsula.edu, or <http://my.nsula.edu>. A student who requires an official report of grades may request an official transcript from the University Registrar and Admissions Office.

myNSU is accessible from any Internet connection 24 hours a day/7 days a week. You will find instructions on how to create your account and access your student information and other resources. To access myNSU you must be a registered student.

Transcripts

A transcript of work completed by a student at NSU will be furnished without charge within approximately three working days after receipt of a written, signed request addressed to the Registrar, provided the student is not indebted to the University. Processing of transcript requests at the end of a semester may take longer.

Students that have attended NSU since the summer 1985 may request official academic transcripts online through the student website (<http://www2.nsula.edu>). Former students whose last attendance at NSU was prior to summer 1985 do not have log in capability to the student web. They are required to submit a written, signed request to the University Registrar and Admissions Office.

CREDITS

Transferred Credit

Hours earned at an institution accredited by a regional committee on colleges, or the equivalent, will be accepted at NSU with the following exceptions.

1. A course failed or in which a required grade is not met at NSU, then repeated at another institution, will not be accepted as credit for the course. The course will transfer as an elective. Credit for the course can only be obtained by repeating the course at NSU.
2. No more than 65 semester hours of credit earned at a two-year institution may apply toward a degree at Northwestern, and these hours may apply as freshman and sophomore level courses only.
3. The academic dean will determine how transferred credits may be applied to degree requirements. Courses that do not correspond to courses offered at NSU will transfer as elective credits.
4. Even though some courses may not transfer toward the degree, all hours pursued are used in determining the cumulative grade point average.
5. While a student is under suspension, no credits earned by the student at another institution may be used toward a degree at this university.
6. Credits earned through CLEP (College-Level Examination Program) must be sent to Northwestern State University from the Educational Testing Center in Princeton, New Jersey. These credits will not be accepted from another school's transcript. (CLEP scores over 20 years old may be taken from another school's transcript since CLEP does not keep scores for more than 20 years.)

Transfer students must request the Registrar of each college or university previously attended to forward to NSU University Registrar and Admissions Office a complete and official transcript of work. An official transcript is defined as one mailed directly from one institution to another, bearing the institution's seal, the signature of the Registrar, and the date of issuance.

Transfer Credit Practices of Designated Educational Institutions, published by the American Association of Collegiate Registrars and Admissions Officers (AACRAO), is used as a basis for determining the accreditation status of other institutions. Credits earned at a non-accredited institution will not be accepted at NSU. The exception to this being credits earned at the Community Colleges listed on the Board of Regents Transfer Credit Matrix. The student may demonstrate knowledge of the subject through tests or by other suitable means. This determination of acceptability will be made by the Registrar and the academic dean.

If a student has earned elective credits for courses from an accredited institution and feels that the content of the courses might be acceptable to NSU degree requirements, the courses will be reviewed by the Registrar and the academic dean.

Any student enrolled at NSU must secure the academic dean's permission in advance to take required course work at another institution.

Transfer Credit Matrix

To view the Transfer Credit Matrix for Louisiana Colleges and Universities, use the NSU website www.nsula.edu/registrar. This link to the Louisiana Board of Regents website (www.regents.state.la.us) contains the Louisiana Postsecondary Education Statewide Student Transfer Guide and Articulation System.

Please be aware that the listing of courses through this site is NOT all inclusive. There will be courses that articulate between campuses that are not indicated on the matrices. Contact the University Registrar and Admissions Office with questions concerning specific courses.

Transfer Agreements

Northwestern State University has partnership agreements with Bossier Parish Community College, Delgado Community College, Delta Community College, River Parishes Community College, and South Louisiana Community College, which outline course transferability by degree program.

1. Transferability means acceptance of credit toward a specific major and degree. Courses must be identified by NSU as transferable and applicable.
2. Community College students must:
 - a. Contact the Office of Enrollment Services to obtain the degree program articulation applicable to the student's community college.
 - b. Complete the Intent to Transfer form providing the student with catalog and curriculum protection for a period of 6 years and return to the Office of Enrollment Services.
3. NSU students interested in enrolling at the community college to earn credits toward their degree must contact the Office of Enrollment Services to obtain the degree program articulation applicable to the community college at which they intend to enroll. The student must meet all registration deadlines as established by the community college.

NSU is pursuing such partnerships with other community colleges as well. For more information on these partnerships, and others that may be formed in the future, contact the Director of Enrollment Services at (318) 357-6790.

Credit for Transfer/Correspondence Work

Any student who is currently enrolled at NSU and wishes to take coursework at another institution or by correspondence is encouraged to fill out a "Transfer/Correspondence" form. Students may contact the University Registrar and Admissions Office for the form. The following regulations govern the taking of coursework elsewhere or by correspondence:

1. Permission to take courses elsewhere will be granted only to students who are or have been enrolled at NSU.
2. Permission will not be granted to students who are on academic suspension.
3. Grades earned at other institutions cannot be used to replace failed courses at NSU (or courses in which a specific grade is required).
4. The student must provide the course number of the NSU course for which they are seeking equivalent credit.
5. A University Registrar and Admissions Office evaluator will provide the equivalent credit course number for the institution the student plans to attend.
6. It is the student's responsibility to obtain the remaining signatures of his/her Advisor, Department Head and Dean.
7. The student's Dean has the final approval for the student to take the course elsewhere.
8. The student's last 30 hours of course work toward a baccalaureate degree must be taken in residence at NSU. If the student wishes to take a course elsewhere during this time period, he/she must seek a waiver of this policy by his/her Dean.

9. It is the student's responsibility to see that an official transcript of the coursework taken is mailed to NSU by the other institution.

NOTE: No more than one-half of the credit required for an undergraduate degree may be met through an accumulation of credits from all categories of testing, correspondence, and extension work.

Credit by Examination

Northwestern recognizes that students enter college with varying degrees of preparedness. Students with superior skills and academic accomplishments have the opportunity to obtain college course credits by examination. After enrollment at Northwestern, a satisfactory performance recorded in semester hours, with no letter grade will be placed on the student's transcript. The hours of credit will not be used in the computation of grade point averages or considered in determining academic hours, probation, or suspension.

While students are encouraged to utilize all types of credit by examination programs, there are certain limitations. Credit by examination may be awarded only to students who are currently registered in other courses during a semester. A maximum of thirty semester hours of credit may be earned through any one type of program. In addition, not more than half of the semester hours of credit required for an undergraduate degree may be fulfilled through an accumulation of credits from the categories of testing, correspondence, and extension work. Credit by examination will not be awarded for a course which was previously pursued beyond the mid-point of an academic period by the student. Credit earned by examination may not be used to reduce residence requirements. A special examination for credit may not be taken in any course already audited.

American College Testing (ACT): Beginning freshmen at Northwestern may be eligible for semester hours of credit on the basis of their English and Mathematics ACT subscores.

Advanced Placement Program (AP): Sponsored and coordinated by the College Board and Educational Testing Service (ETS), the AP program consists of college-level courses and standardized examinations for high school students. Each May, AP exams are administered in the high schools to students who have participated in this program. Fees are determined by, and are payable to, ETS. Recipient code number 6492 should be used by students to have their scores reported to Northwestern. A complete list of the AP tests and credit is available in the Testing Center at NSU.

College-Level Examination Program (CLEP): Any prospective or enrolled student who attains satisfactory scores on Northwestern State University approved Subject Examinations of the College Level Examination Program (CLEP) administered by or under the auspices of the Educational Testing Service (ETS) for the College Board is eligible to receive credit on the basis of such tests. Registration forms must be received by the Testing Center at least three weeks prior to each test date. Students may also arrange to take CLEP tests at other centers and use recipient code 6492 to have their scores reported to Northwestern. Students applying for credit for NSU-approved CLEP Subject Examinations must have scores sent directly to Northwestern State University from CLEP. Students transferring to NSU must have CLEP scores from the previous institution sent directly to NSU. CLEP scores will not be used from the previous institution's transcript. (Military service veterans who took CLEP as part of the DANTES program must have CLEP scores reported directly to the University from DANTES).

A CLEP Subject Examination should be taken well in advance of the semester during which the student would

normally register for the course involved. Examinations are given on Wednesday of the third week of each month excluding December and February, at Northwestern. A complete list of the Subject CLEP tests is available in the Testing Center. CLEP registration materials may be obtained from any national test center or the Educational Testing Service, Princeton, New Jersey.

Northwestern's Advanced Standing Program: Advanced Standing Examinations are offered by the academic departments at Northwestern to eligible freshmen with ACT composite scores of 25 or above. These students are invited to attend Credit Connection, the annual spring testing day at Northwestern, for the opportunity to earn credit hours through this program.

Northwestern's Challenge Examination Program: The academic departments extend to enrolled undergraduate students the opportunity to "challenge" virtually any course offered by the University. These examinations, administered by the departments, may not be repeated.

Undergraduate students interested in taking a special examination must register for the examination on or before the last day to register for classes during regular registration. A student may not challenge any course in which a grade (A, B, C, D, F, P, I, W, X, Z, WA, WB, WC, WD, WF, WP, WZ) has been earned. The following procedures must be followed for undergraduate students to register for a special examination.

1. The student must contact the appropriate department head to get a special examination card. If the department head approves the special examination, the card must be completed and signed by the department head.
2. The advisor should sign the special examination card if he/she approves the course selection.
3. The student must take the completed special examination card to the University Registrar and Admissions Office. The University Registrar and Admissions Office will register the student for the examination. The student may not register for the regular course and a special examination for the same course.
4. Upon registration the student's account will be charged a non-refundable fee of \$10.00 for each special examination.
5. A student must register for the special examination course during early or regular registration, but may take the examination at any time before the last day of classes during the semester.
6. To be eligible to register for a special examination a student must be actively enrolled for a minimum of 3 credit hours.

NOTE: Only the University Registrar and Admissions Office will register students for special examinations. If a student gets enrolled in a special examination by any other means, the registration will be considered invalid and will be canceled.

Credit for Extra-Curricular Activities

Credit may be granted in some activities such as band, chorus, ensemble, orchestra, dance line, and others. These courses may be repeated as many times as desired, **but no more than eight hours of credit earned in such extra-curricular activities may be applied toward fulfillment of degree requirements.** Students must complete a minimum of 120 semester hours of academic work, exclusive of physical activity and extra-curricular activity credits.

Credits for Military Educational Experiences

Military experiences (PMOS and Service Schools) will be evaluated after a student earns six hours of credit at NSU. Credit is awarded in accordance with recommendations set forth by the American Council on Education (ACE). The fee is \$15.00 (check or money order) and the evaluation will be placed on the student's academic record within 60 days of requesting the evaluation.

The Community College of the Air Force transcript (CCAF) and the Army/American Council on Education Registry Transcript (ARRT) are treated as a regular college transcript and no fee is charged for their evaluation. Students seeking credit for experiences not listed on the ARRT will be required to provide a Request for Evaluation of Military Experiences (DD Form 295) and pay the \$15.00 fee. Duplicate credit, upper level credit, and vocational credit will not be awarded. Upper level credit may be considered when a student reaches junior status, and the credits requested satisfy curriculum requirements.

Credit is also allowed for satisfactory completion of the following proficiency examinations:

- CLEP General
- CLEP Subject
- Dantes Subject Standardized Tests (DSST).

Official copies of test results or a notarized "true copy" must be provided before test results can be considered. NSU accepts ACE recommended scores.

Credits through Prior Learning Assessment

Students enrolled in the Professional Studies concentration in the Bachelor of General Studies (BGS) degree may petition for the acceptance of credits for learning experiences that occurred after high school but prior to admission to the university. Credits accepted through this process may not be used toward any other concentration in the BGS degree or any other degree program at Northwestern State University.

A student's past postsecondary education and experiences are assessed through a formal process called Prior Learning Assessment (PLA). This process is in accordance with commonly accepted good practice in higher education and satisfies criteria established by the Southern Association of Colleges and Schools (SACS) Commission on Colleges, and the Council for Adult and Experiential Learning (CAEL).

A student petitioning for PLA credits must complete a course in foundations of lifelong learning, develop a PLA plan with an advisor, and submit portfolios that document the experiential learning to be assessed by subject matter faculty through the formal process.

The proposed assessed credit must be accepted by the Prior Learning Assessment Council, an interdepartmental faculty committee chaired by the Dean of University College, prior to placement on the student's transcript. For information on program policies, standards and requirements, and fees see the website for the Professional Studies program at www.nsu.edu/universitycollege/professional.asp.

Servicemembers Opportunity College

Because of its efforts to serve the educational needs of servicemembers and their dependents, NSU has been designated a Servicemembers Opportunity College. As a member of the Servicemembers Opportunity College Associate Degree (SOCAD) and Bachelor Degrees for Soldiers (BDFS) programs, NSU has committed itself fully to support and comply with SOC principles and criteria. Student Agreements for SOCAD and BDFS curricula will be prepared for all military personnel

and military family members who request such an agreement. The agreement will be completed in accordance with the following guidelines:

1. The student must be a soldier on active duty or a family member of an active duty soldier.
2. The student needs to complete a minimum of six hours in residence at NSU before an agreement is finalized.
3. All transcripts of previous college work and a completed evaluation of military experiences must be on file before an agreement is prepared.
4. The agreement will be prepared for curriculum networks authorized in the SOCAD and BDFS Handbooks only.
5. The current university catalog, to include approved curriculum changes, will have precedence over the SOCAD and BDFS Handbooks when differences exist due to updates not shown in SOC Handbooks.
6. The original copy of the Student Agreement will be forwarded directly to the Army Education Center for distribution to the soldier. The original copy of a Student Agreement for family members will be mailed to the student.

ACADEMIC HONORS

Honor, Dean's, and President's lists are released at the end of the spring and fall semesters.

- A. (The Honor List)** Undergraduate students who meet the following requirements will be named on the Honor List:
- (1) Must have a semester grade point average of a B (3.0).
 - (2) Must be enrolled full-time in the University (at least 12 semester hours).
 - (3) Students who receive grades of D, F, U, or I are not eligible for the Honor List.
 - (4) Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the Honor List.
- B. (The Dean's List)** The academic deans will issue a Dean's List of undergraduate students who fulfill the following requirements:
- (1) Must have a semester grade point average of 3.5.
 - (2) Must be enrolled full-time in the University (at least 12 semester hours).
 - (3) Students who receive grades of D, F, U, or I are not eligible for the Dean's List.
 - (4) Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the Dean's List.
- C. (The President's List)** Undergraduate students who fulfill the following requirements will be named on the President's List:
- (1) Must have a semester grade point average of 4.0.
 - (2) Must be enrolled full-time in the University (at least 12 semester hours).
 - (3) Students who receive grades of B, C, D, F, U, or I are not eligible for the President's List.
 - (4) Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the President's List.

Scholastic Honors Program

Northwestern State University is home to the Louisiana Scholars' College, the state's designated selective-admissions honors college in the liberal arts and sciences. The broad, multidisciplinary focus of the Scholars' College offers students of superior scholastic ability the opportunity to develop an individualized degree program of enhanced academic rigor

or the chance to pursue a traditional major in the Colleges of Business, Liberal Arts, or Science and Technology coupled with a comprehensive, four-year, integrated course of study in the liberal arts and sciences. While the program is academic in focus, Scholars' College students, faculty, and staff form a distinct community on campus, and freshmen reside in Boozman Hall, the College's honors dormitory.

Incoming students whose standardized test scores (ACT or SAT) indicate high scholastic ability will be invited to apply for admission by the Director of the College. Inquiries and applications from others that feel qualified for admission are welcome. Transfer applications will be considered.

For more information on the College's curriculum, please refer to the listing in this catalog for the Louisiana Scholars' College. In general, courses in the College's Common Curriculum are open only to students enrolled in the Scholars' College. However, the College does offer accelerated study in French, German, Latin, and Spanish to all NSU students and offers approximately half of the courses required for the Minor in Philosophy. Advanced courses in all disciplines are open to qualified students.

Graduation with Special Honors

Scholastic honors represent the highest form of recognition that can be bestowed upon a student by a university. As a means of acknowledging the efforts and accomplishments of students whose scholastic performances are most worthy, NSU is pleased to grant special distinction to graduating seniors who meet or surpass the standards described below. To be eligible for such distinction, students must have spent at least their last thirty (30) hours in residence at NSU.

Students eligible by the above criteria who have overall grade point averages of at least 3.5 (3.500-3.699) will be recognized as graduating *cum laude*. Those with grade point averages of at least 3.7 (3.700-3.899) will graduate *magna cum laude*. Those with grade point averages of at least 3.9 (3.900-4.000) will graduate *summa cum laude*.

All grades earned, including all earned in repeated courses, are used in computing eligibility for Special Honors.

No grades earned by special examination will be used in computing eligibility for Special Honors nor may they be used to reduce residence requirements.

Students who have declared Academic Bankruptcy will be ineligible for special academic honors except as justified by the entire academic record, which includes courses taken prior to the declaration of Academic Bankruptcy.

Student Residence Regulations for the Colleges and Universities under the State Board of Education

Because resident classification is an important part of the fee determination, admission regulations, and other policies of the system institutions, it is important that system institutions have fair and equitable regulations, which can be administered consistently throughout Louisiana. It is the responsibility of the student to provide system institutions with such evidence as deemed necessary to establish his residence status.

A resident student for tuition purposes is defined as one who has abandoned all prior domiciles and has been domiciled in the State of Louisiana continuously for at least one full year (365 days) immediately preceding the first day of classes of the term for which resident classification is sought. Domicile is defined as an individual's true, fixed, and permanent home and place of habitation at which the individual remains when not

called elsewhere for labor, studies, or other special or temporary purposes, and the place to which the individual returns after an absence. A nonresident student for tuition purposes is a student not eligible for classification as a resident.

The individual's physical presence within this state for one year must be associated with the substantial evidence that such presence was with the intent to maintain a Louisiana domicile. Physical presence within the state solely for education purposes without substantial evidence of the intent to remain in Louisiana will not be sufficient for resident classification regardless of the length of time within the state.

The residence status shall be determined in accordance with Board rules and shall be based upon evidence provided in the application for admission and related documents. Residence status shall be determined by the University Registrar and Admissions Office and/or admissions officer after the completed Application for Admission has been submitted. The rules shall be based primarily on the location of the home and the place of employment. Residence status may not be acquired by an applicant or student while residing in Louisiana for the primary purpose of attending school. Residence status, for fee purposes only, will be granted to non-resident graduate students registered for three semester hours or less and undergraduate students registered for six semester hours or less in any session, or all non-resident students enrolled in up to six semester hours of graduate or undergraduate courses offered through web-based or other electronic instruction, when domiciled outside of the state of Louisiana and not enrolled in any other courses at the university. The following conditions may be used in determining residence status:

1. An applicant living with his parents is classified as a resident if the parents have established a bona fide residence in Louisiana. Ordinarily a parent is considered to have established a residence in Louisiana if he actually resides and is employed full-time in the state. A parent who is unable to be employed or who is a housewife may be considered to have established a residence if there is convincing evidence that the person continuously resides in Louisiana. If only one parent qualifies as a resident of Louisiana, the student shall be classified as a resident provided that student resides with the parent who is a resident of Louisiana. An individual who resides in Louisiana and is employed full-time in another state may be classified as a resident. In such a case, appropriate documentary evidence shall be presented.
2. A student residing with his parents who enrolls as a nonresident shall be classified as a resident if his parents move to Louisiana and acquire a residence as defined in these regulations.
3. A student may be declared a resident if either parent is a graduate of the institution which he attends. A student that graduates with an associate or higher degree may be classified as a resident for subsequent enrollment at that same institution (applicable only to U.S. citizens).
4. A person may be classified as a resident of Louisiana at the end of twelve consecutive months of residence if he has been employed in Louisiana and if during that period he has not been registered in an educational institution for more than six semester hours or its equivalent in any semester. A person who is unable to be employed and who has not been registered in any educational institution for more than six hours or its equivalent in any semester, may acquire residence in Louisiana if there is convincing evidence that he

continuously resided in Louisiana for 12 consecutive months immediately preceding registration.

5. A student who is married to a Louisiana resident may acquire the residence status of his or her spouse.
6. A person who resides in Louisiana for at least two years, exclusive of military service, and then moves to another state or foreign country shall retain the right to enroll himself or any of his dependents as a resident for a period equal to the number of years he resided in Louisiana, but the right shall expire upon the person's residing for a period of two years in another state or foreign country.
7. A member of the armed forces currently stationed in Louisiana and his dependents shall be classified as Louisiana residents. A serviceman who was stationed in Louisiana immediately prior to his release from active duty may enroll himself or his dependents as residents during a period not to exceed six months after the date of release provided that his term of active duty shall have been no less than 12 consecutive months.
8. A member of the armed forces who was a resident of Louisiana immediately prior to entering the armed forces shall retain the right for himself or any of his dependents to be classified as a resident as long as he is in the armed forces and for a two-year period after leaving the armed forces.
9. A resident of Louisiana shall not lose the right to be classified as a resident during periods of employment in a foreign country.
10. An alien who has been lawfully admitted to the United States for permanent residence as an immigrant (proof of such status shall be possession of his Form I-151 Alien Registration Receipt Card or passport officially stamped "approved as resident alien") and who has established a residence under any of the foregoing provisions shall be declared a resident of the state.

The armed forces, for tuition purposes, are considered to be that of the U.S. Army, U.S. Navy, U.S. Air Force, and U.S. Marines. The National Guard and Reserves are not included in the definition.

Appeals Committee

The President of each institution shall be authorized to appoint a Residence Rules Appeal Committee. Any student classified as a nonresident may appeal his classification to the committee. Interpretations on residence qualifications may be submitted to the Board Staff for clarification.

Incorrect Classification

All students classified incorrectly as residents are subject to reclassification and payment of all nonresident fees not paid. If incorrect classification results from false or concealed facts by the student, the student is also subject to University discipline.

Notification of Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.
Students should submit to the Registrar written requests that identify the record(s) they wish to inspect. The Registrar

will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained in the University Registrar and Admissions Office, the Registrar will advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interest. A school official is a person employed by the University in an administrative, supervisory, academic, or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Supervisors; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official committee in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school (Registrar to Registrar) in which a student seeks or intends to enroll.

4. The right to file a complaint with the U. S. Department of Education concerning alleged failures by a state university to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U. S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-4605

Annual Notification Report

Northwestern State University's Annual Notification Report can be accessed at the university web site. Go to www.nsuola.edu and click "Faculty & Staff/ NSU Disclosure Information." A copy of this report can be obtained by contacting the University Registrar and Admissions Office at (318) 357-6171 or (800) 807-8849. The Annual Notification Report contains the following information:

- General Disclosures on Financial Assistance, Institutional Information, Graduation Rates;
- Athletic Program Participation and Athletic Financial Support;
- FERPA (Family Educational Rights & Privacy Act);

- Annual Security Report; and
- Disability Services

The annual security report includes statistics for the previous three years concerning reported crimes that occurred on campus, in certain off-campus buildings owned and controlled by NSU or public property within (or immediately adjacent to and accessible from) the campus. The report also states institutional policies about campus security, to include policies concerning alcohol and drug use, crime prevention, reporting of crimes, sexual assault, etc.

ACCESS TO AND UTILIZATION OF ACADEMIC RECORDS (FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT)

NSU policy on the release of information on students is based on the premise that a student's record is confidential and must be protected from those who would use it for other than legitimate purposes. At the same time, the policy must be flexible enough so as not to hamper the student or the University in the pursuit of legitimate endeavors.

Release of information on any student ordinarily will be made only on the written request or authorization of that student. This policy also applies to the issuance of transcripts. Telephone requests for transcripts will not be honored nor will requests for transcripts made by the parent, spouse or prospective employer of an adult student except on the authorization of the student. The parent of a student under 18 years of age may be provided a copy of that student's transcript for personal use on written request. Transcripts may be issued on written requests to institutions from which a student has graduated or transferred, institutions to which a student transfers, or to organizations that sponsor a student, provided the student concurs in the request.

Students may not inspect and review the following: financial information submitted by their parents; confidential letters and recommendations associated with admissions, employment or job placement, or honors to which they have waived their rights of inspection and review; or education records containing information about more than one student, in which case the institution will permit access only to that part of the record which pertains to the inquiring student.

Northwestern State University is committed to following the guidelines of the Family Educational Rights and Privacy Act of 1974. The only information ordinarily released concerning students will be that considered "Directory Information." NSU defines this as name; address; telephone number; major field of study; participation in officially recognized activities and sports; weight and height of members of athletic teams; attendance; degrees, awards, photographs, and honors received, including naming to honor rolls; and the previous educational agency or institution attended.

NSU maintains only those student records necessary for the conduct of business. Information in student records will be released to outside investigating agencies only with the written consent of the student involved. Once consent has been received by the University, information requested from academic records of students, students' permanent file (containing admission credentials, transcripts, etc.), and students' personnel records may be released to properly identified investigators through authorized staff personnel in the Office of Vice President for Academic Affairs. The University is obliged to provide information on students pursuant to court orders or subpoenas.

The University recognizes that research is a fundamental component of its overall mission. Occasionally, such research involves the use of students and data extracted from student records. Permission to conduct such research must first be obtained from the person in charge of the involved discipline. Authorization to utilize students must be obtained from the Committee on Protection of Human Subjects in Research. Permission to use student records must be secured from the Vice President for Academic Affairs. Every effort will be made to ensure the anonymity of identifying information. Faculty members may review the academic records of their students to the extent that such reviews serve legitimate educational interests.

At least once a year NSU will publish in the student newspaper (The Current Sauce) and the Alumni Columns, and will broadcast over the student radio station KNWD, the fact that certain records are kept on students, that these records are available to students, and that students have the right to challenge the contents of these records. The types of academic educational records kept on students at NSU are as follows:

1. **Instructors.** A record is maintained on each student by the instructor. Such items as attendance, test grades, reports, etc., are noted by the instructor. The instructor treats this information in a confidential manner, and a student's marks in the class can be divulged only to the student.
2. **Academic Deans.** The academic dean keeps the matriculation record of the student. Some incidental materials may be kept (such as newspaper articles, honors, a supervising teacher's evaluation of a student teacher, etc.). No one has access to these records except the dean or a designated agent of the dean. These records are unofficial and can be reviewed in the dean's office.
3. **Academic Advisors.** Upon matriculation at the University, each student is assigned an academic advisor who maintains a record of the student's academic progress. If the student changes majors, this record is transferred to the new advisor. The material in this record is of an academic nature, indicating the past and present matriculation record, current academic status, and curriculum. Only the academic advisor has access to this record, and it can be reviewed by the student in the academic advisor's office. These records are unofficial. They are placed in an inactive status if the student's education is interrupted.
4. **University Registrar.** The Registrar is the keeper of the official academic record of the student. The student's application for admission to the University and other materials of an academic nature are kept in this office. The academic records in the University Registrar and Admissions Office are permanent and can be reviewed by the student. This includes records on all veterans receiving assistance from the Veterans Administration.

Address Change

A student must provide a local and permanent address at the time of admission to the University. Students may submit a request to change their address in the offices of the academic deans, academic department heads, Registrar and Admissions, or via Internet. All requests must be submitted to the University Registrar and Admissions Office for processing. A student is responsible for the consequences of all communications sent to the address on file in the University Registrar and Admissions Office (e.g., refunds, billing statements, probation/suspension status, grade reports, and financial aid information).

Name Change

A student who wishes to change a name because of either marriage or divorce must present the original marriage license or divorce decree indicating the desired name, along with a change of name form to the University Registrar and Admissions Office. Other name or characteristic changes are made upon the presentation of a court order.

STUDENT LIFE

FEES AND EXPENSES

Information concerning fees and expenses may be obtained from the office of University Recruiting, Northwestern State University, Natchitoches, LA 71497-0002. All fees and charges are subject to change without notice.

PAYMENT OF REGISTRATION FEES

All fees and charges assessed by the University in connection with registration are due in full on scheduled fee payment dates. Students who have not paid in full their cost of attending the University by the last day of fee payment will be assigned an installment plan and will be assessed the \$45 per semester/session non-refundable Installment Charge. Students may elect to pay certain fees, room charges, meal charges, etc., in installments as allowed by the current Installment Policy.

INSTALLMENT PLAN POLICY AND CHARGES

Students who have been billed and have not paid in full their cost of attending the University by the last day of fee payment will be automatically assigned the Installment Plan and assessed the \$45 per semester/session NON-REFUNDABLE Installment Plan Charge. Students assigned the Installment Plan may pay certain fees, room charges, meal charges, etc., in installments as allowed by the Installment Plan Policy.

Any student assigned the Installment Plan will be charged the \$45 per semester/session NON-REFUNDABLE Installment Plan Charge including University student workers, graduate assistants, part-time and full-time employees, etc.

Students who pay their full balance at fee payment but later increase registration fees, room charges, meal charges, etc., after the registration/fee payment process, or whose financial aid is reduced and do not pay the increase in full by the BILL DUE DATE will be automatically assigned the Installment Plan and be assessed the \$45 per semester/session NON-REFUNDABLE Installment Plan Charge.

The Installment Plan can be waived by the University's Director of Student Financial Aid when the University has awarded ESTIMATED financial aid (anticipated aid) or if the University has implemented a policy or procedure that causes a delay in the processing of a student's financial aid and the awarded financial aid is enough to cover the full unpaid balance.

LATE PAYMENT CHARGES

Any student who does not pay the "Installment Amount" or "Total Amount Due" by each due date will be assessed a \$25 per billing cycle NON-REFUNDABLE Late Payment Charge within the semester or summer session that the charges occurred.

All accounts must be paid in full by the last day of the semester or summer session. Accounts not paid by the last day of the semester or summer session will be referred to the University's contracted collection agency and a major credit bureau. A HOLD will be placed on registration and transcript processes until the account is paid in full.

INSTALLMENT PLAN PAYMENT SCHEDULE

Any student automatically assigned the Installment Plan, per the Installment Plan Policy, may pay certain deferrable charges in installments as follows:

Fall and Spring Semesters:

Three (3) Installments

1/3 Due – Approximately one (1) month after scheduled fee payment

1/3 Due – Approximately two (2) months after scheduled fee payment

1/3 Due – Approximately three (3) months after scheduled fee payment

Summer Semester:

Three (3) Installments

1/3 Due – Approximately three (3) weeks after scheduled fee payment

1/3 Due – Approximately six (6) weeks after scheduled fee payment

1/3 Due – Approximately nine (9) weeks after scheduled fee payment

Any student who has been billed and does not pay the "Account Balance" in full by the last day of scheduled fee payment will be automatically assigned the Installment Plan and assessed the \$45 per semester/session NON-REFUNDABLE Installment Plan Charge according to the Installment Plan Policy.

Students who pay their full balance at fee payment but later increase registration fees, room charges, meal charges, etc., after the registration/fee payment process, or whose financial aid is reduced and do not pay the increase in full by the BILL DUE DATE will be automatically assigned the Installment Plan and be assessed the \$45 per semester/session NON-REFUNDABLE Installment Plan Charge.

Any student assigned the Installment Plan who does not pay the "Current Amount Due" or "Installment Amount" by each BILL CYCLE DUE DATE will be assessed a \$25 per bill cycle NON-REFUNDABLE Late Payment Charge within the semester/session that the charges occur. Installment payment due dates are the same for all campus sites.

The Installment Plan can be waived by the University's Director of Student Financial Aid when the University has awarded ESTIMATED financial aid (anticipated aid) or if the University has implemented a policy or procedure that causes a delay in the processing of a student's financial aid and the awarded financial aid is enough to cover the full unpaid balance.

Payments may be made by cash, check or money order made payable to Northwestern State University or by Mastercard or Visa. Student accounts/balances can be viewed and credit card payments made at the NSU Student Website, www2.nsula.edu, or by logging into the Student Portal Website at <http://my.nsula.edu>. For mail-in payment instructions, consult the Schedule of Classes for the semester of planned enrollment.

LATE REGISTRATION FEES

The University will publish an Academic Calendar in the Schedule of Classes for each semester and summer session. This calendar will provide dates for registration for classes. Any student who fails to complete the registration process during regular registration will be assessed a \$50 NON-REFUNDABLE Late Registration Charge on the first day of classes.

EARLY REGISTRATION CANCELLATION FOR A FINANCIAL BALANCE

A student who owes the University a financial balance must pay that balance in full in order to attend classes. If the student has a financial balance that is not paid, early registration for the next semester or summer session will be cancelled.

A student who owes a balance from a previous semester or summer session and who, because of extenuating circumstances that can be documented, is unable to pay the balance in full, may appeal the cancellation of early registration to an appeal committee. In addition to the appeal, the appellant must demonstrate an ability and pay previous balances by the 14th class day of the semester or summer session. If an appeal for early registration cancellation for a previous balance is approved, current semester financial aid will not be disbursed until the previous semester's balance is paid in full. The appellant will be resigned from classes should he/she fail to pay the previous balance by the 14th class day of the semester or summer session. Installment, late registration, and late payment charges will be applied in accordance with policy.

REGISTRATION WITH A PREVIOUS BALANCE

A student who owes a balance from a previous semester or summer session and who, because of extenuating circumstances that can be documented, is unable to pay the balance in full, may appeal. In addition to the appeal, the appellant must demonstrate an ability and pay previous balances by the 14th class day of the semester. If an appeal to register with a previous balance is approved, current semester financial aid will not be disbursed until the previous semester's balance is paid in full. The appellant will be resigned from classes should he/she fail to pay the previous balance by the 14th class day of the semester. Installment, late registration, and late payment charges will be applied in accordance with policy.

APPEAL OF EARLY REGISTRATION CANCELLATION FOR A PREVIOUS BALANCE, REGISTRATION WITH A PREVIOUS BALANCE, INSTALLMENT PLAN CHARGES, LATE REGISTRATION CHARGES, OR LATE PAYMENT CHARGES

1. Students must obtain an *Application to Appeal Early Registration Cancellation for a Previous Balance, Registration with a Previous Balance, Installment Plan Charges, Late Registration Charges, or Late Payment Charges*. The application will be made available in the offices of Academic Affairs, Business Affairs, Continuing Education, Enrollment Management, Scholarships, Student Financial Aid,

Registrar, or Student Affairs. The application may also be obtained online at www.nsuja.edu/registrar.

2. Student must fully complete and return the application to the University Registrar and Admissions Office with appropriate documentation attached to support the application.
3. Only a complete application with the appropriate documentation attached will receive committee consideration. Committee decision will be final.

HOUSING AND LIVING ACCOMMODATIONS

NSU offers a variety of options to students for on-campus residency. Spacious, furnished residence halls, a modern gated apartment-style complex, and unfurnished apartments for non-traditional students are available on the Natchitoches campus. Applications for residence hall rooms or student apartments and questions about housing should be addressed to the Coordinator of Housing, NSU, telephone (318) 357-6703.

The Board of Supervisors for State Colleges and Universities requires that "all unmarried undergraduate students must live on campus. Exceptions to this policy are made for those students who present convincing evidence that substantial hardship for financial, medical, or other sound reasons will occur if the policy is enforced."

COUNSELING AND CAREER SERVICES

The mission of Counseling and Career Services is to serve as an agent of change for student's personal and professional growth by aiding students in developing, evaluating and effectively implementing a life plan. To this end, Counseling and Career Services provides free and confidential services in the areas of personal counseling, part-time employment and full-time employment to NSU students. These services are delivered by a variety of programs including career planning and placement, counseling, and job location and development all located in Room 305, Friedman Student Union Building. Additionally, Counseling and Career Services serves as a practicum and internship training site for Student Personnel Services and Psychology graduate programs.

SECURITY PROCEDURES

Northwestern State University Police Officers are commissioned by the Louisiana Department of Public Safety. Section 1805 of Title 17 of the Louisiana Revised Statutes holds these officers responsible for maintaining general order and extends to them the powers of arrest. The NSU Police Department currently employs fourteen full-time police officers. The department also employs students as part-time campus walkers equipped with police radios. All full-time police officers are required to complete a "Basic Law Enforcement Training Course" certified by the Council on Peace Officers Standards and Training.

The Office of Vice President for Student Affairs is responsible for Security and University Police Services. The NSU Police respond to all calls for assistance giving priority to medical emergencies, fire alarms, or a crime in progress. To place a call for assistance, call the NSU Police Department at 357-5431.

JUDICIAL AFFAIRS

Disciplinary procedures governing University students are administered by the Vice President for Student Affairs or a designated representative. Disciplinary problems may be referred to a student-faculty discipline committee appointed by

the President of the University. Students are expected to conduct themselves at all times in a manner consistent with standards prescribed by the University. Specific disciplinary due process procedures and the Northwestern State University Code of Conduct appear in the Northwestern Student Handbook.

Members of the NSU campus community must be prepared to display a Northwestern State University identification card upon proper request of a duly designated authority.

ACCESS TO AND UTILIZATION OF NON-ACADEMIC EDUCATIONAL RECORDS (FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT)

Records of disciplinary actions taken by the University against students are maintained for internal purposes and information relating thereto will be released to inquirers only with written authorization of students concerned. When sanctions are imposed that limit a student's behavior, the University retains the right to notify parties involved in monitoring said behavior. In cases of alcohol and drug abuse or life threatening situations, the University may contact parents or guardians. A copy of the outcome of the disciplinary process may be mailed to the permanent home address of the students involved. The types of non-academic educational records maintained on students at NSU are as follows:

1. **The Vice President for Student Affairs maintains disciplinary records and miscellaneous administrative records including Student Government Association Loans.** The student can review these records in the Vice President's office. Only authorized Student Affairs staff have access to these records, which are destroyed five years after the student leaves the University.
2. **Student Health Services.** Students are encouraged to furnish a medical information form which includes current and past medical history. Records are kept on medical problems reported by the student and on treatment procedures. The only people who have access to these records are the University physicians, nurses, and the immediate supervisor to Health Services staff. Every effort is made to protect the physician-patient relationship and to safeguard all confidences. The student cannot review these records but a student's personal physician, acting on the student's behalf, can review them.
3. **Financial Aid Office.** All students who are receiving grants, scholarships, and/or loans from state and federal sources, or who are student workers and receive some financial assistance through the University have records in this office. The student can review all of his or her records.
4. **Residential Services Office.** The Residential Life Office maintains disciplinary records and other housing data. Only authorized Student Affairs staff have access to these records which are destroyed five years after the student leaves the University. Students may review these records in the Office of the Coordinator of Residential Life.
5. **Counseling and Career Services.** *Career Planning and Placement:* Career Planning and Placement maintains records on students who register with the office and students whose test results are referred for interpretation. Students who register with the office authorize Career Planning and Placement to release credentials files to prospective employers. Students may view the complete file (resume, letter of reference, and transcript) unless this right has been waived. The right to view references may be reinstated only through written approval from the reference. Placement

files are made inactive or destroyed after the director feels that the student may no longer be adequately served by the center.

Counseling: All records are strictly confidential and are secured. Records may only be released to other professionals with written consent from clients. The counselor may release information when a client poses danger to herself/himself or others or in some cases, when subpoenaed by a court of law. Students may read and review their records upon request. Inactive counseling records are maintained for seven years after which time they are destroyed.

6. **Testing Center.** The Testing Center maintains a record of test scores submitted to the University and the results of the University's Advanced Standing Examination and the English Proficiency Examination. These records are available to the student, faculty, advisor, academic dean, and other authorized University personnel concerned with the student. Scores are not released to anyone other than authorized University personnel except on a request by the student.

Appeal

NSU shall provide each student an opportunity for a hearing to challenge the contents of the student's educational records in order to ensure that the records are not inaccurate, misleading, or otherwise in violation of privacy or other rights of students, and to provide an opportunity for the correction or deletion of any inaccurate, misleading, or otherwise inappropriate data contained therein. The University will attempt to settle disputes with students regarding the content of the student's education records through informal meetings and discussions. When these informal means are not satisfactory to the student or the University, more formal proceedings will be conducted. On the written request of the student to the University concerning the inaccuracy of material contained in the student's record, a board composed of the Vice President for Student Affairs, a representative of the Faculty Senate, the appropriate dean, a representative of the heads of academic departments, and a representative of the Student Government Association will hear the complaints and make a recommendation to the President of the University. Hearings shall be conducted within five working days following receipt of the request for the hearing. If any member of the hearing board is involved in the case in question, the President of the University will select an individual who does not have a direct interest in the outcome of the hearing. The student or the University is to be afforded a full and fair opportunity to present evidence relevant to the issue raised. The recommendation shall be rendered in writing to the President of the University for his consideration, and his recommendation will be communicated to the parties involved within ten working days after conclusion of the hearing. If the recommendations are unsatisfactory to the student, the student may place with the education records statements commenting on the information in the records, or statements setting forth any reasons for disagreeing with the decisions of the hearing panel. The statements will be placed in the education records, maintained as part of the student's records, and released whenever the records in question are disclosed.

STUDENT ACTIVITIES AND ORGANIZATIONS

Since a well-rounded education at NSU is more than attending classes, a wide range of extra-curricular activities are offered to satisfy students' needs. These activities are not separate and

apart from the academic life; they serve to increase the total experience.

Activities at NSU are selected to suit the needs and interests of the students. Events involving the entire student body include concerts, dances, movies, ball games, exhibits, and forums featuring national figures in both formal and informal discussion. These and many other activities are planned and presented by the students themselves, serving on committees and with organizations.

Approximately 90 recognized student organizations are available to students. Offering something for everyone, these organizations give students ample opportunity to become involved in planning activities, making new friends, developing leadership qualities, and receiving recognition for a job well done. Recognized student organizations are classified as governmental, academic, professional, service, religious, social sororities/fraternities and special interest groups. Questions about organizations may be referred to the Director of Student Activities and Organizations.

Northwestern offers a wide variety of recreational facilities for college students, including three gymnasias, eight tennis courts, the Natorium (indoor swimming pool), and the Student Union.

The Outdoor Recreation Complex is designed especially for Northwestern students. An Olympic-sized pool and four-lighted tennis courts form the heart of the Complex, which is surrounded by Demon Hills (an eighteen-hole golf course). Campus organizations hold various social functions at the Recreation Complex Pavilion during the year.

Complementing a wide range of extra-curricular activities is the Intramural Program. About 70 percent of Northwestern's students participate in the comprehensive year-round program, which is coordinated by a staff of professionals. Intramural activities include team sports, individual sports, leisure sports, and special events. Dorm wings, sororities and fraternities, campus organizations, and independent groups of students form teams. The Intramural Building houses four modified racquetball courts, a gymnasium, table tennis, billiard rooms, and a fully equipped weight room.

These activities are supported by the University because they contribute strongly to the education of the student and provide excellent avenues for self-development. First priority is given to NSU students and chartered organizations in scheduling events. Questions concerning student activities should be directed to the Director of Student Activities and Organizations.

ELECTRONIC AND CONTINUING EDUCATION

The mission of the Office of Electronic and Continuing Education is to provide a variety of credit and non-credit courses and programs tailored to the needs of non-traditional students in Northwestern's rural service area and beyond. The Office of Electronic and Continuing Education seeks to provide access to all students who seek an educational experience through traditional and non-traditional methods of teaching, which include face-to-face instruction as well as instruction delivered through the Internet, compressed video, and other electronic technology.

The credit program, approved by the Board of Regents and offered through the University's nine off campus sites, is designed to serve the needs of students in Northwestern State University's service area. Our off-campus sites are located in Coshhatta, Colfax, Jena, Jonesville, Mansfield, Many, Marks-ville, Vidalia, and Winnfield. Face-to-face and compressed

video courses are offered at these off-campus sites, as well as at the University's satellite campuses: Fort Polk, Cenla, and the Shreveport Nursing Center. Credit courses are listed in the University Catalog and are taught by faculty members in the appropriate academic area. Northwestern State University also awards credit for selected telecourses offered by Louisiana Public Broadcasting.

NSU offers a variety of electronic credit courses, from a selection of courses offered via compressed video to entire degree programs online. One goal of the Office of Electronic and Continuing Education is to provide information and services to faculty and students involved in these electronic courses. Through Electronic Learning's web portal, "eNSU, students have access to course listings, course rotations, help pages, and links to admissions, registration, fee payment, and financial aid. We work to provide the best possible electronic learning experience for both faculty and students.

The non-credit program offers short courses and community services for those not interested in formal degree programs. The University also awards continuing education units (CEU's) through the non-credit program. National guidelines set forth in the Commission of Colleges' document *C.E.U. Guidelines Criteria* are followed.

The Office of Electronic and Continuing Education works with business/industry as well. Non-credit contract training geared toward professional development and customized for business/industry is available. Workforce training and development programs enable the business/industry community to have access to qualified personnel. In addition, credit classes are offered on-site in business/industry, which may be applied toward two or four year programs. For more information, visit the web site at www.nslu.edu/ece or call the Office of Electronic and Continuing Education at (318) 357-6355 or 800-376-2422.

DISABILITY SERVICES

Disability Services works directly with all faculty and staff, providing in-service training in understanding of disabilities and the requirements of the Americans with Disabilities Act (ADA) of 1990 and section 504 of the Rehabilitation Act of 1973. Disability Services coordinate reasonable accommodations necessary to eliminate discrimination on the basis of disability. Some reasonable accommodations include, but are not limited to: extending time limits on examinations, allowing lectures to be tape-recorded when the disability impairs a student's ability to take notes, and providing scribes for students with motor impairments. Provisions are also made for registration assistance, interpreters, and many other accommodations. For more information, call Disability Services at (318) 357-6950 or TTD (318) 357- 4393.

INTERCOLLEGIATE ATHLETICS

Northwestern State University sponsors intercollegiate programs at the Division I level for both men and women. In order to participate in the varsity athletic programs and receive athletically related aid, a student must conform to the applicable rules of the National Collegiate Athletic Association (NCAA) and the Southland Conference (SLC). In addition, the student-athlete must demonstrate good academic standing by being enrolled in 12 or more hours, and demonstrate satisfactory progress by fulfilling the requirements of NCAA By-law Article 14, as stated in the NCAA manual. For information regarding participation, call NSU Compliance at 318-357-4152.

Northwestern sponsors the following sports: Men—cross country, indoor and outdoor track; football; baseball; basketball; Women—cross country, indoor and outdoor track; volleyball; softball; basketball; tennis; soccer.

ATHLETIC DEPARTMENT MISSION STATEMENT

Northwestern State University is committed to providing a multi-sport intercollegiate athletic experience for male and female students. Additionally, NSU is committed to assuring that women and minorities will be afforded the opportunities given to all staff and student-athletes. Just as the University strives for excellence academically, it will also reach for excellence in the Southland Conference and at the national level through NCAA Division I championships.

The success of the athletic program is not only measured by competitive standings but also by the achievement of student-athletes. All student-athletes are expected to meet entrance and academic standards set by the NCAA, the Southland Conference and the University. The ultimate goal of the program is to provide an opportunity for student-athletes to earn a degree, enter their chosen career field and have a positive impact on the lives of those they associate with on a personal and professional level.

While striving for competitive success, those representing the NSU athletic department must also demonstrate a high level of sportsmanship towards opponents, fans and officials and maintain a positive attitude which places the "spirit of competition" at the forefront of their words and actions regardless of the outcome of the contest. In addition, those representing NSU Athletics must exhibit knowledge of, respect for and adherence to ethical principles which are outlined in Bylaw 10 of the NCAA Manual. Generating positive publicity for the University should be achieved without compromising these ethical principles, including adherence to policies related to illegal gambling, recruiting, and the use of illegal drugs.

The Athletic Department is one component of a complete University. As part of the University, athletics makes a significant contribution to the attainment of the institutional goals of academic success, physical and emotional well being and social development of student athletes.

COLLEGE OF BUSINESS

Room 201D, Russell Hall
318-357-5161

Dean: Joel K. Worley, *Professor*

Professor Emeritus: Tommy Johnson

Professors: Briscoe, Creighton, Durlabhji, Elliott, Fusilier, Pollacia, J. Russell, J. Williams

Associate Professors: Bechtel, Clark, Collins, Cooley, C. Jones, R. Jones, Lomerson, Miller, Mueller, S. Roach, Schaub

Assistant Professors: Dailey, Heslop, M. Jones, Kilcoyne, McDonald, Swanstrom, Tarver

Instructors: Alford, Boyett, Conlay, D. Jones, B. Russell, Turner, Wright

Mission of the College of Business

The mission of the College of Business is to create a foundation for lifelong learning, professional success, community service and economic development. The College aspires to contribute to intellectual capital through the acquisition, creation, and dissemination of knowledge to students, businesses, and other entities within its region.

Degrees Offered Through the College of Business

Associate Degree programs in: Business Administration; Office Administration with a concentration in: computer information systems

Bachelor of Science programs in: Accounting; Business Administration; Computer Information Systems with concentrations in: application development, and e-commerce

All baccalaureate programs are accredited by The Association to Advance Collegiate Schools of Business (AACSB) - The International Association for Management Education, 600 Emerson Road, Suite 300, St. Louis, Missouri 63141-6762, telephone number (314) 872-8481, <http://www.aacsb.edu>.

Entrance Requirements for Four-Year Programs

To be admitted to a four-year program in the College of Business, a student must complete all courses listed in the first year of the curriculum with a grade point average of at least 2.0 on all courses pursued. In addition, a student must demonstrate computer literacy. Computer literacy may be demonstrated by completing CIS 1800 or SCSC 1810, or successful completion of a challenge exam. (Accounting majors only may demonstrate computer literacy by completing CIS 1800 or COMP 1020.) No 3000 or 4000 level courses in the College of Business may be taken by business majors until these requirements are met. At least 50% of business credit hours required for baccalaureate degrees in the College of Business must be earned at Northwestern State University.

All students in the College of Business must make a grade of "C" or better in their major requirements.

Accounting

Accounting Major Requirements: (63 semester hours) Students seeking a major in Accounting must complete 63 semester hours, within the 120 semester hour Accounting curriculum, which include Accounting 2000, 2010, 3060, 3080, 3180, 3190, 3200, 4020, 4080, six semester hours of accounting electives; Business Administration 2120, 3250, 3260; Computer Information Systems 1800; Management 3220, 3580, 4300; Marketing 3230; Office Administration 2200; Finance 3090.

Accounting Minor Requirements: (21 semester hours) Accounting 2000, 2010, 3180, 3190, six semester hours of accounting electives, three semester hours of advanced accounting electives.

Curriculum for Accounting (101)

FIRST YEAR	SEM. HRS.
Computer Information Systems 1800	3
English 1010, 1020	6
Health and personal fitness ¹	4
History ¹	3
Mathematics 1020, 2010	6
Orientation 1010	1
Psychology 1010	3
Science ¹	3
Speech 1010	3
	32

SECOND YEAR	SEM. HRS.
Accounting 2000, 2010	6
Academic Elective ²	3
Business Administration 2120	3
Economics 2000, 2010	6
Fine Arts 1040	3
Office Administration 2200	3
Science ¹	6
	30

THIRD YEAR	SEM. HRS.
Accounting 3060, 3080, 3180, 3190	12
Business Administration 3250	3
Computer Information Systems 3100	3
English literature ¹	3
Management 3220, 3580	6
Marketing 3230	3
	30

FOURTH YEAR	SEM. HRS.
Accounting 3200, 4020, 4080	9
Accounting electives	6
Business Administration 3260	3
Academic electives ²	4
Finance 3090	3
Management 4300	3
	28

Total Semester Hours for Degree: 120

Footnotes:

¹ Refer to University core requirements.

² Excludes all courses offered in the College of Business. Must be academic elective.

Business Administration

Business Administration Major Requirements: (69 semester hours) Students seeking a major in Business Administration must complete 69 semester hours, within the 125 semester hour Business Administration curriculum, which include Accounting 2000, 2010; Business Administration 2120, 3250, 3270; Computer Information Systems 1800; Economics 2000, 2010; Finance 3090, 4200; Management 3220, 3580, 4300; Marketing 3230; Office Administration 2200; three semester hours of business electives; 21 semester hours of advanced business electives.

Business Administration Minor Requirements: (non-business majors) (21 semester hours) Accounting 2000, 2010; Management 3220; Marketing 3230; Economics 2000, 2010; three hours of advanced business electives.

Economics Minor Requirements: (21 semester hours) Economics 2000; Economics 2010 or SECO 2810; SECO 3000 or Economics 3000; Economics 3100 or 3300; Economics 4500; and six additional hours of upper-division courses with ECON or SECO prefix (five if substituting SECO 2810 for Economics 1010).

Finance Minor Requirements: (21 semester hours) Finance 3090, 4200, 3100; 12 semester hours of advanced finance electives.

Management Minor Requirements: (21 semester hours) Management 3220; 18 semester hours of advanced management electives.

Marketing Minor Requirements: (21 semester hours) Marketing 3230; 18 semester hours of advanced marketing electives.

Pre-Law students should ensure that English 3200, 3210 or 3230; Philosophy 2030; three hours of political science, and three hours of history are included in their program. (See the Pre-Law advisor)

Curriculum for Business Administration (110)

FIRST YEAR	SEM. HRS.
Computer Information Systems 1800	3
Elective-Business ²	3
English 1010, 1020	6
Fine Arts 1040	3
History ¹	3
Mathematics 1020, 2010	6
Orientation 1010	1
Science ¹	6
	31

SECOND YEAR	SEM. HRS.
Accounting 2000, 2010	6
Business Administration 2120	3
Economics 2000, 2010	6
English literature ¹	3
Health and personal fitness ¹	2
Psychology 1010	3
Office Administration 2200	3
Science ¹	3
Speech 1010	3
	32

THIRD YEAR	SEM. HRS.
Advanced business electives ⁴	3
Business Administration 3250, 3270	6
Business elective ²	3
Elective-Academic ³	6
Finance 3090	3
Health and personal fitness ¹	2
Management 3220	3
Marketing 3230	3
Computer Information Systems 3100	3
	32

FOURTH YEAR	SEM. HRS.
Advanced business electives ⁴	15
Electives-Academic ³	6
Finance 4200	3
Management 3580, 4300	6
	30

Total Semester Hours for Degree: 125

Footnotes:

¹ Refer to University core requirements.

² A business elective is any course in business administration, accounting, economics, finance, management, marketing, or computer information systems.

³ Excludes all courses offered in the College of Business.

⁴ An advanced business elective is any 3000 or 4000 level business administration, accounting, economics, finance, management, marketing, or computer information systems class.

Computer Information Systems

Computer Information Systems Major Requirements: (60 semester hours) Students seeking a major in Computer Information Systems must complete 60 semester hours, within the 122 semester hour Computer Information Systems curriculum consisting of a CIS core, composed of: CIS 1030, 2020, 2980, 3100, 3400, and 3900, and one of the two available 18 hour concentrations described below. Additionally, the following CIS support courses are required: ACCT 2000 and 2010; BUAD 3250; FIN 3090; MGT 3220, 3580, 4300; and MKT 3230.

Application Development Minor Requirements: Computer Information Systems 1030, 2020, 2980, 3000, 3400 or 4000, 3900 and 4020.

Information Systems Analysis Minor Requirements: Computer Information Systems 1030, 2020, 2980, 3100, 3900, 4000, and 4600.

E-Commerce Minor Requirements: Computer Information Systems 1030, 2980, 3020, 3900, 4020; one from 3100, 3400 or 4000; and one from 4100 or 4030.

Available Concentrations:

Application Development (102A): (18 hours) Computer Information Systems 3000, 4000, 4020, 4600, one Computer Information Systems advanced elective (3 hours), and one Computer Information Systems 4000-level elective (3 hours).

E-Commerce (102B): (18 hours) Computer Information Systems 3020, 4020, 4030, 4100, 4600, and one Computer Information Systems advanced elective (3 hours).

Curriculum for Computer Information Systems (102)

FIRST YEAR	SEM. HRS.
Computer Information Systems 1030, 1800	6
English 1010, 1020	6
Fine Arts 1040	3
History ¹	3
Mathematics 1020, 2010	6
Orientation 1010	1
Psychology 1010	3
Science ¹	3
	<u>31</u>

SECOND YEAR	SEM. HRS.
Accounting 2000, 2010	6
Computer Information Systems 2980, 3100	6
English literature ¹	3
Computer Information Systems 2020	3
Economics 2000, 2010	6
Business Administration 2120	3
Speech 1010	3
	<u>30</u>

THIRD YEAR	SEM. HRS.
Business Administration 3250	3
Computer Information Systems 3400	3
3 Computer Information Systems courses from concentration	9
English 3230	3
Health and personal fitness ¹	2
Management 3220	3
Marketing 3230	3
Science ¹	6
	<u>32</u>

FOURTH YEAR	SEM. HRS.
Computer Information Systems 3900	3
3 Computer Information Systems courses from concentration	9
Academic Electives ²	6
Finance 3090	3
Health and personal fitness ¹	2
Management 3580, 4300	6
	<u>29</u>

Total Semester Hours for Degree: 122

Footnotes:

¹ Refer to University core requirements.

² Excludes all courses offered in the College of Business.

Associate Degrees**Business Administration****Curriculum for Business Administration (717)**

FIRST YEAR	SEM. HRS.
Business Administration 1040	3
Computer Information Systems 1800	3
English 1010, 1020	6
Marketing 2200 or Finance 2150	3
Mathematics 1020, 1060 or 2010 ¹	6
Orientation 1010	1
Science 1010, 1020	6
Speech 1010	3
	<u>31</u>

SECOND YEAR	SEM. HRS.
Academic elective ¹ (lower level)	3
Accounting 2000, 2010	6
Business Elective ¹	3
Economics 2000, 2010	6
Industrial Engineering Technology 1800	3
Management 2500	3
Office Administration 2200	3
Select 2 of the following: Business Administration 2120, 2250; Finance 2150; Marketing 2200	6
	<u>33</u>

Total Semester Hours for Degree: 64

Footnotes:

¹ Excludes all courses offered in the College of Business.

² For those students who might pursue a 4 year Business Administration degree, it is recommended that they take Mathematics 2010 and Business Administration 2120 courses.

³ For those students who have completed all the first year 4 year Business Administration degree requirements, a 3000 level course can be substituted. With this option, all but 6 hours will count toward the 4 year Business Administration degree.

Office Administration**Curriculum for Office Administration (718)**

FIRST YEAR	SEM. HRS.
Computer Information Systems 1800	3
English 1010, 1020	6
Fine Arts 1040	3
Mathematics 1020, 1060 or 2010 ¹	6
Office Administration 1010, 1020	6
Orientation 1010	1
Science 1010, 1020	6
	<u>31</u>

SECOND YEAR	SEM. HRS.
Accounting 2000, 2010	6
Business Administration 2250	3
Economics 2000	3
Management 2500	3
Office Administration 2140, 2180, 2190, 2200	12
Speech 1010	3
	<u>30</u>

Total Semester Hours for Degree: 61

Footnotes:

¹ For those students who think they might pursue a four year Business Administration of Computer Information Systems degree, it is recommended that they take the Mathematics 2010.

Available concentration:

Computer Information Systems (718C): (18 hours) Computer Information Systems 1030, 2020, 2980, 2000 level elective, six hours computer information systems electives.

COLLEGE OF EDUCATION

Room 103A, Teacher Education Center
318-357-6288

Acting Dean: Vickie Gentry, *Professor*

Professor Emeritus: Hurst M. Hall

Professors: Bowman, Gifford, Gillan, Henderson, Kher, McBride, Scheffler, Tollett, Weaver

Associate Professors: Christensen, Duchardt, Fuller, Heckaman, McFerrin, Pearson, L. Roach, C. Seymour, Willis

Assistant Professors: Duke, B. Hanson, McAlister, Nagel

Instructor: Clark, Mason, Melder, Monk, Skiles

Mission of the College of Education

The College of Education's Conceptual Frameworks reflects the ideals on which Northwestern was founded in 1884. The College meets the needs and interests of schools, state and local educational agencies, and communities by preparing highly qualified teachers, and university personnel. Graduates of the College of Education demonstrate the knowledge, skills, and dispositions necessary to be a highly effective teacher. These demonstrations are developed through the processes of problem solving, creative and critical thinking, responsibility taking, and assessment-based decision making with technology and diversity infused throughout. Advancements in the field of education, through research and development, are products of faculty and graduate student scholarship.

Degrees Offered Through the College of Education

Bachelor of Arts in: English Education; Social Studies Education; Speech Education

Bachelor of Science in: Biology Education; Business Education; Chemistry Education; Early Childhood Education Grades Pre-K – Grade 3; Elementary Education Grades 1 – 5; Family and Consumer Science Education; Mathematics Education; Middle School Education Grades 4 – 8 (Social Studies and English/Language Arts or Mathematics and Science); Physics Education

Bachelor of Science program in: Health and Human Performance (*see College of Science and Technology*)

Bachelor of Music Education (*see College of Liberal Arts*)

Master of Education (*see associated concentrations*)

Master of Arts in Teaching (*see associated concentrations*)

Master of Arts program in: Adult Education; Student Personnel Services

Educational Specialist program in: Educational Leadership and Instruction (*see associated concentrations*)

Northwestern State University is a member in good standing of the American Association of Colleges for Teacher Education, 1 Dupont Circle, Suite 610, Washington, DC 20036-1186, telephone number (202) 293-2450. All degree programs at the bachelor's level in education and those leading to the Master of Education and Educational Specialist degrees are accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 466-7496. The Master of Arts in Student Personnel Services is fully accredited by the Council for Accreditation of Counseling and Related Educational Programs, 5999 Stevenson Avenue, Alexandria, Virginia 22304, telephone number (703) 823-9800, ext. 301.

Undergraduate Degree Programs Leading to Initial Teacher Certification

Persons earning teacher certification through any of the following programs will meet the requirements for "Highly Qualified Teacher" (as defined by the *No Child Left Behind Act* of 2001)

Early Childhood Education Grades Pre-K – 3
Elementary Education Grades 1 – 5
Middle School Education Grades 4 – 8
Business Education Grades 6 – 12
English Education Grades 6 – 12
Family and Consumer Sciences Education Grades 6 – 12
Mathematics Education Grades 6 – 12
Biology Education Grades 6 – 12
Chemistry Education Grades 6 – 12
Physics Education Grades 6 – 12
Social Studies Education Grades 6 – 12
Speech Education Grades 6 – 12

All levels (K – 12)

Health and Human Performance Education
Music Education

Add-On Certification Areas

The University offers additional certification in a broad array of areas. The following list is complete at the time of this printing. The College of Education or appropriate department should be contacted for information.

Persons pursuing a degree in Early Childhood Grades Pre-K – 3 may add:

Elementary Grades 1 – 5
Computer Literacy
Computer Science

Persons pursuing a degree in Elementary Education Grades 1 – 5 may add:

Grades Pre-K – 3
Middle Grades 4 – 8
Computer Literacy
Computer Science
School Library Service
Special Education Mild/Moderate

Persons pursuing a degree in Middle School Education Grades 4 – 8 may add:

Elementary Grades 1 – 5
Computer Literacy
Computer Science
School Library Service
Special Education Mild/Moderate

Persons pursuing a degree in Secondary Education Grades 6 – 12 may add:

Business Education
English Education
Family and Consumer Sciences Education
Mathematics Education
Biology Education
Chemistry Education
Physics Education
Social Sciences Education
Speech Education
Driver's Education
Journalism
Computer Literacy
Computer Science
School Library Service
Special Education Mild/Moderate

Persons certified in All Levels grades K – 12 (Music and Physical Education) may add:

Computer Literacy
Computer Science
Special Education Mild/Moderate

Persons certified in Physical Education may add:

Adaptive Physical Education

Teachers of Exceptional Children certification:

Academically Gifted
Early Interventionist
Educational Diagnostician
Mild/Moderate
Severe/Profound

Administrators, Supervisors, and Special Service Personnel

Child Search Coordinator
Child Nutrition Program Supervisor
Educational Technology Leadership
Educational Technology Facilitation
Provisional School Principal
Guidance Counselor
Counselor K – 12
Ancillary Counselor K – 12
Parish or School Superintendent
Parish or City School Supervisor of Instruction
Parish or City School Supervisor/Director of
Special Education
Reading Specialist
Special School Principal
Supervisor of Student Teaching
Supervisor of Parish or City Materials and/or
Media Centers

General Program Objectives

NOTE: These objectives apply to certification in all-levels (grades K-12), Early Childhood Education Grades Pre-K – 3, Elementary Education Grades 1 – 5, Middle School Education Grades 4 – 8, and Secondary Education Grades 6 – 12.

All undergraduate teacher education (certification) programs are designed to accomplish the following objectives within three basic areas: general education, specialized academic education, and professional education.

A. General Education. Students in teacher education programs will:

1. Demonstrate attainment of a basic and broad liberal education by completing the University core courses with a grade of "C" or better.

2. Show proficiency in reading, writing, and mathematics by achieving the required scores on the PRAXIS Pre-Professional Skills Tests (PPST) in Reading, Writing, and Mathematics.
3. Illustrate the correct use of Standard English in verbal and written communications by completing English 1010 and English 1020 with grades of "C" or better.

B. Specialized Academic Education. Students in teacher education programs will:

1. Demonstrate proficiency in areas of certification by earning grades of "C" or better in each specialized academic course.
2. Show competency in the teacher education curriculum pursued by achieving the required score/s on the NTE or PRAXIS Specialty Area Test.

C. Professional Education. Students in teacher education programs will:

1. Demonstrate knowledge in the areas of educational foundations, learning theories, child and adolescent development, and methods and techniques of organizing and implementing instruction in each professional education course with a grade of "C" or better.
2. Demonstrate competence in the knowledge base underlying teaching by achieving the required score on the PRAXIS Principles of Learning and Teaching Test.
3. Demonstrate competency in instructional strategies and techniques through successful completion of simulation activities, microteaching, supervised teaching, and other field-based experiences.
4. Show proficiency in the development, selection, and use of instructional aids and materials through the successful completion of activities in methods courses, field experiences, and student teaching.
5. Demonstrate competency in the organization and implementation of instructional programs by successfully completing student teaching with a grade of "C" or better.

Admission to Candidacy for a Degree in Teacher Education

Prior to enrolling in Educational Psychology 3010, 3020 or 3030, teacher education majors must be admitted to candidacy for a degree in teacher education.

Requirements for admission to candidacy for a degree in teacher education are:

1. Complete Education 2020 (or MUED 2020 for Music Education majors) and all first year courses as defined by the catalog in effect the semester the student enrolls as an education major.
2. Have a 2.50 overall grade point average (excluding activity courses and remedial courses).
3. Complete each of the following with a grade of "C" or better:
 - a. Courses used to satisfy University core requirements.
 - b. Degree-applicable professional education courses.
 - c. Degree-applicable specialized academic courses.
4. Achieve at least the minimum required scores on the PRAXIS Pre-Professional Skills Test (PPST) Reading, Writing, and Mathematics.*
5. Complete an application for admission to teacher candidacy.
6. Favorable evaluations for admission to teacher candidacy.

* New PRAXIS I PPST cutoff scores were effective beginning with the freshman class who entered in the summer 2004 ses-

sion. Transfer and alternate program students will be required to comply with the new cutoff scores beginning with the summer 2005 session.

	OLD scores	NEW scores
Reading	172	174
Writing	171	173
Mathematics	170	172

Retention as a Candidate for a Degree in Teacher Education

Retention as a candidate for a degree in teacher education requires that a student continue to earn grades of "C" or better in all degree applicable coursework and maintain an overall GPA of 2.50 or better.

Appeal for Candidacy for a Degree in Teacher Education

A student who does not meet requirements for admission to and/or retention in teacher candidacy may file a written appeal with the College of Education Admissions and Retention Committee if he/she believes that substantive mitigating circumstances exist. The Admissions and Retention Committee will recommend approval or disapproval of the appeal to the Dean of the College of Education.

Admission to Student Teaching

In order to be admitted to student teaching, a student must:

1. Continue to meet requirements for a degree in teacher education.
2. File an application for student teaching with the Director of Field Experiences at the beginning of the semester preceding the one in which an assignment is desired.
3. Complete professional methods course(s) at Northwestern prior to student teaching.
4. Pass all parts of PRAXIS PPST (Reading, Writing, and Mathematics) Principles of Learning and Teaching and Specialty Area Tests.

NOTE: All student teachers are required to student teach in all teaching fields for which certification is initially sought.

Program Exit

Students graduating from a teacher education program must meet all criteria established by the University and those of the teacher education program in which they enrolled.

Specific teacher education criteria include:

1. An overall grade point average of at least 2.50.
2. Grade of "C" or better in all courses in the student's curriculum.

Alternate Post-Baccalaureate Certification Program

Northwestern State University offers three state-approved certification programs which allow individuals with non-education degrees to earn Louisiana teacher certification.

- 1) **The Practitioner Teacher Program, Preparing Responsive Educators Program (PREP)**, is an accelerated program for those teaching in Louisiana public schools. Certification is available in Elementary Education Grades 1 – 5, Middle School Education Grades 4 – 8, Secondary Education Grades 6 – 12, and Mild/

Moderate Special Education Grades 1 – 12. PREP applicants must present a "letter of intent to employ" from an employing parish. Students who have been admitted to NSU's Graduate School may also pursue a Master of Arts in Teaching degree, which includes additional coursework and requirements beyond those of PREP.

- 2) **Masters Degree Program in Alternate Certification: Professional Studies** offers coursework leading to a Master of Arts in Teaching degree and teacher certification in Elementary Education Grades 1 – 5, Middle School Education Grades 4 – 8, or Secondary Education Grades 6 – 12. This program does not require a letter of intent for employment and is not a fast track or an accelerated program of study.
- 3) **Non-Masters Degree Program in Alternate Certification** offers coursework leading to teacher certification in Early Childhood Education Grades Pre-K – 3, Elementary Education Grades 1 – 5, Middle School Education Grades 4 – 8, Secondary Education Grades 6 – 12, and Mild/Moderate Special Education Grades 1-12. Students must meet all requirements for admission to Graduate Study during the first term of enrollment. Only 12 hours of credit earned in a non-degree status will transfer to a degree program.

Admission requirements in all Alternate Certification programs include: an earned baccalaureate degree from a regionally accredited institution with a minimum overall grade point average of 2.50 on a 4.00 scale; passing scores on PRAXIS PPST* (Reading, Writing, and Mathematics); and the appropriate PRAXIS Specialty Area examination. PREP students must present a "letter of intent to employ" from an employing parish.

Students in all programs must complete a one-year internship (or one semester of student teaching for Professional Studies or the Non-Master's Alternate Certification Program) in the grade level and content area of the certification pursued. Students in PREP must present a passing score on the PRAXIS Principles of Learning and Teaching in order to complete certification. Students in the Professional Studies and Non-Masters Degree program must present a passing score on the PRAXIS Principles of Learning and Teaching *prior to enrollment in an internship*.

Students who are not eligible for retention in one alternate certification program may not transfer to another alternate certification program at Northwestern.

* New PRAXIS I PPST cutoff scores were effective beginning with the freshman class who entered in the summer 2004 session. Transfer and alternate program students will be required to comply with the new cutoff scores beginning with the summer 2005 session.

	OLD scores	NEW scores
Reading	172	174
Writing	171	173
Mathematics	170	172

NOTE: No final grade below a "C" will be accepted in any course required for certification.

Early Childhood Education Pre-K – Grade 3

Early Childhood Education Pre-K – Grade 3 Curriculum Requirements: (127 semester hours) Students seeking a major

in Early Childhood Education Pre-K – Grade 3 must complete the 127 semester hour curriculum which includes:

General Education coursework: (39 hours) ENGL 1010, 1020, 2080, 3210; MATH 1020, 1060, 2040; SCI 1010, 1020, 2010; HIST 2010; PSCI 2010; FA 1040.

Focus Area – Young Child: (33 hours) ECED 1060, 3070, 3090, 3110; FACS 3020; RDG 3030, 3060, 4060; MATH 2030; EDUC 3100, 4080, 4230.

Knowledge of the Learner and Learning Environment: (15 hours) EDUC 2020; EPSY 3000; ECED 3060, 3080; SPED 3460.

Methodology in Teaching: (15 hours) EDUC 4330, 4430, 4950.

Additional Hours: (25 hours) HED 1010; NUTR 1050; OR 1010; GEOG 2010; EDUC 3140; FACS 4160; PE 3170; MUS 2100; ART 2040; HED 3160; SST 3030.

Curriculum for the Bachelor of Science in Early Childhood Education Pre-K – Grade 3 (3101)

FIRST YEAR	SEM. HRS.
Early Childhood Education 1060	1
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
Health Education 1010	2
History 2010	3
Mathematics 1020, 1060	6
Nutrition 1050	2
Orientation 1010	1
Science 1010, 1020	6
	33

SECOND YEAR	SEM. HRS.
Art 2040	2
Early Childhood Education 3060	3
Educational Psychology 3000	3
English 2080	3
Geography 2010	3
Mathematics 2030, 2040	6
Political Science 2010	3
Reading 3030, 3060	6
Science 2020	3
Special Education 3460	3
	35

THIRD YEAR	SEM. HRS.
Early Childhood Education 3070, 3080 ^{1,3} , 3090 ^{1,3} , 3110 ^{1,3}	12
Education 3100, 3140	6
English 3210	3
Family and Consumer Science 3020	2
Health Education 3160	2
Music 2100	3
Reading 4060 ²	3
Social Studies 3030	3
	33

FOURTH YEAR	SEM. HRS.
Education 4080 ^{1,3} , 4230 ^{1,3} , 4330 ^{1,3} , 4430 ^{1,3} , 4950 ^{2,3}	21
Family and Consumer Science 4160 ²	3
Human Performance 3160	2
	26

Total Semester Hours for Degree: 127

Footnotes:

- 1 Courses taken as a block.
- 2 Courses taken concurrently.
- 3 Must be admitted to teacher candidacy.

Elementary Education Grades 1 – 5

Elementary Education Grades 1 – 5 Curriculum Requirements: (127 semester hours). Students seeking a major in Elementary Education must complete the 127 semester hour curriculum which includes:

General Education coursework: (54 hours) ENGL 1010, 1020, 2080, 3210; MATH 1020, 1060, 2030, 2040; SCI 1010, 1020, 2010, 2020; PHYS 1120; HIST 1010, 2010; GEOG 3050; PSCI 2010; FA 1040.

Focus Area – Reading/Language Arts & Mathematics: (21 hours) RDG 3030, 3060, 4060; EDUC 3100, 4080, 4230; MATH 2050.

Knowledge of the Learner and Learning Environment: (15 hours) EDUC 2020, 3210; EPSY 3000, 3020; SPED 3460.

Methodology in Teaching: (15 hours) EDUC 4330, 4430, 4960.

Additional Hours: (22 hours) HED 1010; NUTR 1050; OR 1010; EDUC 3140; RDG 4070; HP 3170; MUS 2100; ART 2040; HED 3160; SST 3030.

Curriculum for the Bachelor of Science in Elementary Education Grades 1 – 5 (3102)

FIRST YEAR	SEM. HRS.
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
Health Education 1010	2
History 1010	3
Mathematics 1020, 1060	6
Orientation 1010	1
Science 1010, 2010	6
	30

SECOND YEAR	SEM. HRS.
Educational Psychology 3000	3
English 2080	3
Mathematics 2030, 2040	6
Music 2100	2
Nutrition 1050	2
Physics 1120	3
Political Science 2010	3
Reading 3030	3
Science 1020	3
Social Studies 3030	3
Special Education 3460	3
	34

THIRD YEAR	SEM. HRS.
Art 2040	2
Education 3100, 3140	6
Educational Psychology 3020	3
English 3210	3
Geography 3050	3
Health Education 3160	2
History 2010	3
Mathematics 2050	3
Reading 3060, 4060	6
Science 2020	3
	34

FOURTH YEAR	SEM. HRS.
Education 3210 ^{1,3} , 4960 ^{1,3} , (4080, 4230, 4330, 4430) ²	24
Reading 4070 ²	3
Human Performance 3170	2
	29

Total Semester Hours for Degree: 127

Footnotes:

- 1 Must be taken concurrently.
- 2 Must be taken as a block.
- 3 Admission to teacher candidacy and passing scores on PRAXIS PLT and Specialty Area tests are required for enrollment.

Middle School Education Grades 4 – 8

Middle School Education Grades 4 – 8 Curriculum Requirements: (124 semester hours). Students seeking a major in Middle School Education must complete the 124 semester hour curriculum which includes:

General Education coursework: (54 hours) ENGL 1010, 1020, 2080, 3210; MATH 1020, 1060, 2030, 2040; BIOL 1010, 1011, 1020, 1021; CHEM 1070; PHYS 2030, 2031; HIST 1010, 2010; GEOG 3050; PSCI 2010; FA 1040.

Focus Area – Generic: (12 hours) ENGL 3200 or 4640; MATH 2050; SCI 2010; SST 3030.

Knowledge of the Learner and Learning Environment: (15 hours) EDUC 2020, 3210; EPSY 3000, 3030; SPED 3460.

Methodology in Teaching: (24 hours) EDUC 4230, 4330, 4430, 4970; RDG 3030, 3060.

Additional Hours: (19 hours) HED 1010, 3160; NUTR 1050; OR 1010; EDUC 3140, 4080; RDG 4060, 4070.

Curriculum for the Bachelor of Science in Middle School Education Grades 4 – 8 (3103)

FIRST YEAR	SEM. HRS.
Biology 1010, 1011, 1020, 1021	8
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
Health Education 1010	2
History 1010	3
Mathematics 1020, 1060	6
Orientation 1010	1
	<u>32</u>

SECOND YEAR	SEM. HRS.
Chemistry 1070	3
Educational Psychology 3000, 3030	6
English 2080	3
Mathematics 2030, 2040	6
Nutrition 1050	2
Physics 2030, 2031	4
Political Science 2010	3
Reading 3030	3
Special Education 3460	3
	<u>33</u>

THIRD YEAR	SEM. HRS.
Education 3140	3
English 3200 or 4640, 3210	6
Geography 3050	3
Health Education 3160	2
History 2010	3
Mathematics 2050	3
Reading 3060, 4060	6
Social Studies 3030	3
Science 2010	3
	<u>32</u>

FOURTH YEAR	SEM. HRS.
Education 3210 ¹ , 4970 ¹⁻³ , (4080, 4230, 4330, 4430) ²	24
Reading 4070 ²	3
	<u>27</u>

Total Semester Hours for Degree: 124

Footnotes:

¹ Must be taken concurrently.

² Must be taken as a block.

³ Admission to student teaching and passing scores on PRAXIS PLT and Specialty Area tests are required for enrollment.

Secondary Education Grades 6 – 12

Secondary Education Grades 6 – 12 Curriculum Requirements: (124 semester hours). Students seeking a major in Secondary Education must complete the 124 semester hour curriculum which includes:

General Education coursework: (44 hours) ENGL 1010, 1020, English literature at 2000 level, 3210; MATH (6 hrs); SCI (9 hrs); Social Sciences (9 hrs); FA 1040; OR 1010; and Health and Personal Fitness core electives (4 hrs).

Primary and Secondary Teaching areas: (47 hours) To be chosen from content area certification grids.

Knowledge of the Learner and Learning Environment: (15 hours) EDUC 2020, 3220; EPSY 3000, 3030; SPED 3460.

Methodology and Teaching: (18 hours) RDG 4080; EDUC 3140, 4010, 4980.

Secondary Education Grades 6 – 12

Secondary Education majors complete General Education courses, Knowledge of the Learner and the Learning Environment courses, Methodology and Teaching courses, and must select a Primary and Second Teaching Area. Primary Teaching Areas include: Biology Education, Business Education, English Education, Chemistry Education, Family and Consumer Science Education, Mathematics Education, Physics Education, Social Studies Education, and Speech Education. Primary and Second Teaching Areas are certifiable teaching areas in the State of Louisiana. Upon completion of required courses and state certification requirements, including state minimum scores on PRAXIS graduates will be certified to teach in secondary level. [Total hours in the Secondary Education Curriculum are 124].

Students majoring in Secondary Education are advised by faculty in both the College of Education and faculty in the College/Department of the selected teaching areas.

Primary Teaching Areas

Curriculum for the Bachelor of Science in Biology Education (3105)

FIRST YEAR	SEM. HRS.
Biology 1010, 1011, 1020, 1021	8
Chemistry 1030, 1031, 1040, 1041	8
Education 2020	3
English 1010, 1020	6
Health and personal fitness ¹	2
Mathematics 1100	6
Orientation 1010	1
	<u>34</u>

SECOND YEAR	SEM. HRS.
Botany 2100, 2101	3
Educational Psychology 3000	3
English 2050, 2060, 2070 or 2080, and 3210	6
Fine Arts 1040	3
Health and personal fitness ¹	2
History 2010 or 2020	3
Microbiology 2060, 2061	4
Social Sciences ²	6
	<u>30</u>

THIRD YEAR	SEM. HRS.
Biology 2950, 3270.....	4
Education 3140	3
Educational Psychology 3030.....	3
Physics 2030, 2031, 2040, 2041	8
Special Education 3460.....	3
Second Teaching Area ³	10
	31

FOURTH YEAR	SEM.HRS.
Biology 4400, 4401.....	4
Education 4010, 3220 ⁴ , 4980 ⁴	15
Reading 4080	3
Zoology 2050, 2051	4
Second Teaching Area ³	3
	29

Total Semester Hours for Degree: 124

Footnotes:

¹ Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.

² Selected to meet University core requirements.

³ Hours applied toward second teaching area must total 21 minimum content hours.

⁴ Must be taken concurrently.

Curriculum for the Bachelor of Science in Business Education (3106)

FIRST YEAR	SEM. HRS.
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
Health and personal fitness ¹	2
Mathematics 1020, 1060.....	6
Office Administration 1010, 1020.....	6
Orientation 1010	1
Science 1010, 1020	6
	33

SECOND YEAR	SEM. HRS.
Accounting 2000, 2010.....	6
Economics 2000, 2010.....	6
Educational Psychology 3000	3
English 2050, 2060, 2070 or 2080, and 3210	6
Health and personal fitness ¹	2
History 2010 or 2020	3
Office Administration 2180, 2200.....	6
Science 2010 or 2020.....	3
	35

THIRD YEAR	SEM. HRS.
Business Administration 3250	3
Education 3140	3
Educational Psychology 3030.....	3
Marketing 3230.....	3
Office Administration 2140, 2190.....	6
Special Education 3460	3
Second Teaching Area ³	7
	28

FOURTH YEAR	SEM.HRS.
Education 4010, 3220 ³ , 4980 ³	15
Management 3220.....	3
Reading 4080	3
Second Teaching Area ³	7
	28

Total Semester Hours for Degree: 124

Footnotes:

¹ Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.

² Hours applied toward second teaching area must total 21 minimum content hours.

³ Must be taken concurrently.

Curriculum for the Bachelor of Science in Chemistry Education (3107)

FIRST YEAR	SEM. HRS.
Biology 1010, 1011, 1020, 1021.....	8
Chemistry 1030, 1031, 1040, 1041	8
Education 2020	3
English 1010, 1020	6
Mathematics 1100, 2100.....	11
Orientation 1010	1
	37

SECOND YEAR	SEM. HRS.
Chemistry 2110, 2111, 2140, 2141	7
Educational Psychology 3000	3
English 2050, 2060, 2070, or 2080, and 3210	6
Fine Arts 1040.....	3
Health and personal fitness ¹	4
History 2010 or 2020	3
Physics 2030, 2031, 2040, 2041	3
Social Sciences ²	3
	37

THIRD YEAR	SEM. HRS.
Chemistry 2200, 3010, 3011, 3020, 3021	11
Education 3140	3
Educational Psychology 3030.....	3
Social Sciences ²	3
Special Education 3460	3
Second Teaching Area ³	5
	28

FOURTH YEAR	SEM.HRS.
Education 4010, 3220 ⁴ , 4980 ⁴	15
Reading 4080	3
Second Teaching Area ³	4
	22

Total Semester Hours for Degree: 124

Footnotes:

¹ Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.

² Select to meet University core requirements.

³ Hours applied toward second teaching area must total 21 minimum content hours.

⁴ Must be taken concurrently.

Curriculum for the Bachelor of Science in Family and Consumer Sciences Education (3108)

FIRST YEAR	SEM. HRS.
Education 2020	3
English 1010, 1020	6
Family and Consumer Science 1010, 1070, 2010, 2030.....	10
Mathematics 1020, 1060.....	6
Nutrition 1030	3
Orientation 1010	1
Science 1010, 1020	6
	35

SECOND YEAR	SEM. HRS.
Early Childhood Education 3060.....	3
Educational Psychology 3000	3
English 2050, 2060, 2070, or 2080, and 3210	6
Family and Consumer Science 3020, 3050.....	5
Fine Arts 1040.....	3
Health and personal fitness ¹	2
History 2010 or 2020	3
Science 2010 or 2020.....	3
Social Sciences ²	3
	31

THIRD YEAR	SEM. HRS.
Education 3140	3
Educational Psychology 3030.....	3
Family and Consumer Science Elective (3000-4000 level).....	4
Family and Consumer Science 3030, 3090, 4080, 4160.....	12
Social Sciences ²	3
Special Education 3460	3
Second Teaching Area ³	6
	34

FOURTH YEAR	SEM. HRS.
Education 4010, 3220 ⁴ , 4980 ⁴	15
Family and Consumer Science 4010.....	1
Reading 4080	3
Second Teaching Area ³	5
	24

Total Semester Hours for Degree: 124

Footnotes:

- 1 Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.
- 2 Select to meet University core requirements.
- 3 Hours applied toward second teaching area must total 21 minimum content hours.
- 4 Must be taken concurrently.

Curriculum for the Bachelor of Science in Mathematics Education (3109)

FIRST YEAR	SEM. HRS.
Biology 1010, 1011.....	4
Chemistry 1030.....	3
Education 2020	3
English 1010, 1020	6
Fine Arts 1040.....	3
Health and personal fitness ¹	2
Mathematics 1010, 2100, 2110.....	11
Orientation 1010	1
	33

SECOND YEAR	SEM. HRS.
Educational Psychology 3000	3
English 2050, 2060, 2070, or 2080, and 3210	6
Health and personal fitness ¹	2
History 2010 or 2020	3
Mathematics 2080, 3090, 3150.....	10
Physics 2510, 2511	5
Social Sciences ²	3
	32

THIRD YEAR	SEM. HRS.
Education 3140	3
Educational Psychology 3030.....	3
Mathematics 3020, 3100, 4050.....	9
Social Sciences ²	3
Special Education 3460	3
Second Teaching Area ³	9
	30

FOURTH YEAR	SEM. HRS.
Education 4010, 3220 ⁴ , 4980 ⁴	15
Mathematics 4950.....	3
Reading 4080	3
Second Teaching Area ³	8
	29

Total Semester Hours for Degree: 124

Footnotes:

- 1 Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.
- 2 Select to meet University core requirements.
- 3 Hours applied toward second teaching area must total 21 minimum content hours.
- 4 Must be taken concurrently.

Curriculum for the Bachelor of Science in Physics Education (3110)

FIRST YEAR	SEM. HRS.
Biology 1010, 1011, 1020, 1021.....	8
Chemistry 1030, 1031, 1040, 1041	8
Education 2020	3
English 1010, 1020	6
Health and personal fitness ¹	2
Mathematics 2100.....	5
Orientation 1010	1
	33

SECOND YEAR	SEM. HRS.
Educational Psychology 3000	3
English 2050, 2060, 2070, or 2080, and 3210	6
Fine Arts 1040.....	3
Health and personal fitness ¹	2
History 2010 or 2020	3
Mathematics 2110.....	5
Physics 2510, 2511, 2520, 2521	10
	32

THIRD YEAR	SEM. HRS.
Education 3140	3
Educational Psychology 3030.....	3
Physics 2200, 3291, 3710	7
Social Sciences ²	6
Special Education 3460	3
Second Teaching Area ³	8
	30

FOURTH YEAR	SEM. HRS.
Education 4010, 3220 ⁴ , 4980 ⁴	15
Physics 4100	3
Reading 4080	3
Second Teaching Area ³	8
	29

Total Semester Hours for Degree: 124

Footnotes:

- ¹ Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.
- ² Select to meet University core requirements.
- ³ Hours applied toward second teaching area must total 21 minimum content hours.
- ⁴ Must be taken concurrently.

Curriculum for the Bachelor of Arts in English Education (3113)

FIRST YEAR	SEM. HRS.
Education 2020	3
English 1010, 1020	6
Foreign Language ²	6
Health and personal fitness ¹	2
Mathematics 1020, 1060	6
Orientation 1010	1
Science 1010, 1020	6
	30

SECOND YEAR	SEM. HRS.
Educational Psychology 3000	3
English 2070, 2080, 3210	9
Fine Arts 1040	3
Health and personal fitness ¹	2
History 2010 or 2020	3
Science 2010 or 2020	3
Social Sciences ²	6
	29

THIRD YEAR	SEM. HRS.
Education 3140	3
Educational Psychology 3030	3
English 3100, 3150, 3160, 3170, 3200	15
Special Education 3460	3
Second Teaching Area ³	11
	35

FOURTH YEAR	SEM. HRS.
Education 4010, 3220 ⁴ , 4980 ⁴	15
English 4190; 4640 or 4740; 4350, 4360, 4570 or 4590	9
Reading 4080	3
Second Teaching Area ³	3
	30

Total Semester Hours for Degree: 124

Footnotes:

- ¹ Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.
- ² Select to meet University core requirements.
- ³ Hours applied toward second teaching area must total 21 minimum content hours.
- ⁴ Must be taken concurrently.
- ⁵ All six hours must be in the same foreign language.

Curriculum for the Bachelor of Arts in Social Studies Education (3115)

FIRST YEAR	SEM. HRS.
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
Geography 1010, 1020	6
Health and personal fitness ¹	2
History 1010, 1020	6
Mathematics 1020, 1060	6
Orientation 1010	1
Science 1010, 1020	6
	39

SECOND YEAR	SEM. HRS.
Anthropology 1510	3
Educational Psychology 3000	3
English 2050, 2060, 2070, or 2080, and 3210	6
Geography 2020	3
Health and personal fitness ¹	2
History 2010, 2020	6
Political Science 2010, 2020	6
Science 2010 or 2020	3
	32

THIRD YEAR	SEM. HRS.
Advanced History 4310, 4340, 4350, 4360, or 4450	6
Anthropology 2020	3
Economics 2000	3
Education 3140	3
Educational Psychology 3030	3
Geography 3050	3
History 3040	3
Special Education 3460	3
	27

FOURTH YEAR	SEM. HRS.
Advanced History 3120, 4380, 4390, or 4400	3
Economics 2010	3
Education 4010, 3220 ⁴ , 4980 ²	15
Political Science 4010 or 4090	3
Reading 4080	3
	27

Total Semester Hours for Degree: 125

Footnotes:

- ¹ Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.
- ² Must be taken concurrently.

Curriculum for the Bachelor of Arts in Speech Education (3111)

FIRST YEAR	SEM. HRS.
Education 2020	3
English 1010, 1020	6
Health and personal fitness ¹	2
Mathematics 1020, 1060	6
Orientation 1010	1
Science 1010, 1020	6
Speech 1010, 1020, 1210	9
	33

SECOND YEAR	SEM. HRS.
Educational Psychology 3000	3
English 2050, 2060, 2070, or 2080, and 3210	6
Fine Arts 1040	3
Health and personal fitness ¹	2
History 2010 or 2020	3
Journalism 2410 or 3450	3
Science 2010 or 2020	3
Speech 2010 or 2500, and 2050	6
Theatre 2300, 2310, or 2320	3
	32

THIRD YEAR	SEM. HRS.
Education 3140	3
Educational Psychology 3030	3
Social Sciences ²	6
Special Education 3460	3
Speech 3120, 4030	6
Second Teaching Area ³	7
	28

FOURTH YEAR	SEM. HRS.
Education 4010, 3220 ⁴ , 4980 ⁴	15
Reading 4080	3
Speech 4010, 4110	6
Second Teaching Area ³	7
	31

Total Semester Hours for Degree: 124

Footnotes:

¹ Choose 4 hours from HED 1010, 1090, HP 1110 or one from NUTR 1020, 1030, or 1050.

² Select to meet University core requirements.

³ Hours applied toward second teaching area must total 21 minimum content hours.

⁴ Must be taken concurrently.

Second Teaching Areas Grades 6 – 12

(Not required for Social Sciences)

English: ENGL 1010 (3 hrs), ENGL 1020 (3 hrs), ENGL 2080 (3 hrs), ENGL 3210 (3 hrs), ENGL 3200 (3 hrs), ENGL 4640 (3 hrs), ENGL Elective chosen from any 3000 or 4000 level course (3 hrs).

Journalism: Nineteen hours of JOUR courses to be selected from: JOUR 2010 (3 hrs), JOUR 2510 (3 hrs), JOUR 3040 (3 hrs), JOUR 3530 (3 hrs), JOUR 3450 (3 hrs), JOUR 3420 (3 hrs), JOUR 3510 (3 hrs), JOUR 3060 (3 hrs).

Mathematics: MATH 2100 (5 hrs), MATH 3020 (3 hrs), MATH 2050 (3 hrs), MATH 2080 (3 hrs), MATH 2110 (5 hrs)

Biology: BIOL 1010-1011 (4 hrs), BIOL 1020-1021 (4 hrs), MBIO 2060-2061 (4 hrs), ZOOL 2050-2051 (4 hrs), BIOL 2950 (1 hr), BOT 2100-2101 (3 hrs), BIOL 3270 (3 hrs), BIOL 4400-4401 (4 hrs).

Chemistry: CHEM 1030-1031 (4 hrs), CHEM 1040-1041 (4 hrs), CHEM 3010-3011 (5 hrs), CHEM 2200 (1 hr), CHEM 2140-2141 (3 hrs).

Physics: PHYS 2510-2511 (5 hrs), PHYS 2520-2521 (5 hrs), PHYS 3291 (3 hrs), PHYS 4100 (3 hrs), PHYS 3710 (3 hrs), PHYS 2200 (1 hr).

Social Science: ECON 2000 (3 hrs), HIST 1020 (3 hrs), HIST 2020 (3 hrs), GEOG 1010 (3 hrs), GEOG 1020 (3 hrs), PSCI 2010 (3 hrs), HIST 3040 (3 hrs).

Speech: SPCH 1010 (3 hrs), SPCH 1210 (3 hrs), SPCH 2050 (3 hrs), SPCH 3120 (3 hrs), SPCH 4010 (3 hrs), SPCH 4030 (3 hrs), SPCH 4110 (3 hrs).

Graduate Programs

Master of Arts in Teaching Degree (506, 507, 508)

Concentration Areas:

Elementary Education, Grades 1 – 5 (506)

Professional Studies (506A)

Preparing Responsive Educators Program: PREP (506B)

Middle School Education, Grades 4 – 8 (507)

Professional Studies (507A)

Preparing Responsive Educators Program: PREP (507B)

Secondary Education, Grades 6 – 12 (508)

Professional Studies (508A)

Preparing Responsive Educators Program: PREP (508B)

Requirements for the Master of Arts in Teaching in all Concentration Areas listed above include 33 semester hours as follows:

- Foundations (9 hours): Education 5010, 5020, 5030.
- Concentration Area (12-24 hours): To be selected from courses in the student's Concentration Area.
- Support Area (0-9 hours): To be selected from courses that support the student's Concentration Area.
- Application Area (0-3 hours): Education 5950 or 5980.

M.A.T. in Elementary Education, Grades 1-5 (506)

Professional Studies (506A) *

Special requirements: Minimum of 33 semester hours.

Specialized Academic Education: Be admitted to Alternate Certification Program.

- Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area: Education 5600 (3 hours), 5610 (3 hours), and 5410 (6 hours).
- Support Area: Educational Psychology 4400 (3 hours), 5490 (3 hours), Special Education 5510 (3 hours).
- Application Area: Education 5950 (3 hours) or 5980 (3 hours).

Preparing Responsive Educators Program: PREP (506B) **

Special requirements: Minimum of 33 semester hours.

Specialized Academic Education: Be admitted to PREP.

- Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area: Education 5630 (3 hours), 5640 (3 hours), 5410 (6 hours).
- Support Area: Education 5370 (3 hours), 5380 (3 hours); and Educational Psychology 5480 (3 hours).
- Application Area: Education 5950 (3 hours) or 5980 (3 hours).

M.A.T. in Middle School Education, Grades 4-8 (507)**Professional Studies (507A) ***

Special requirements: Minimum of 33 semester hours.
Specialized Academic Education: Be admitted to Alternate Certification Program.

- A. Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- B. Concentration Area: Education 5600 (3 hours), 5610 (3 hours), and 5420 (6 hours).
- C. Support Area: Educational Psychology 4400 (3 hours); 5490 (3 hours), Special Education 5510 (3 hours).
- D. Application Area: Education 5950 (3 hours) or 5980 (3 hours).

Preparing Responsive Educators Program: PREP (507B) **

Special requirements: Minimum of 33 semester hours.
Specialized Academic Education: Be admitted to PREP.

- A. Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours)
- B. Concentration Area: Education 5630 (3 hours), 5640 (3 hours), 5420 (6 hours).
- C. Support Area: Educational Psychology 5370 (3 hours), 5380 (3 hours); and Educational Psychology 5480 (3 hours).
- D. Application Area: Education 5950 (3 hours) or 5980 (3 hours).

M.A.T. in Secondary Education, Grades 6-12 (508)**Professional Studies (508A) ***

Special requirements: Minimum of 33 semester hours.
Specialized Academic Education: Be admitted to Alternate Certification Program.

- A. Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- B. Concentration Area: Education 5600 (3 hours), 5610 (3 hours), and 5430 (6 hours).
- C. Support Area: Educational Psychology 4400 (3 hours), 5490 (3 hours), Special Education 5510 (3 hours).
- D. Application Area: Education 5950 (3 hours) or 5980 (3 hours).

Preparing Responsive Educators Program: PREP (508B) **

Special requirements: Minimum of 33 semester hours.
Specialized Academic Education: Be admitted to Alternate Certification Program.

- A. Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- B. Concentration Area: Education 5630 (3 hours), 5640 (3 hours), and 5430 (6 hours).
- C. Support Area: Education 5370 (3 hours), 5380 (3 hours); and Educational Psychology 5480 (3 hours).
- D. Application Area: Education 5950 (3 hours) or 5980 (3 hours).

Master of Education Degree (505)**Concentration Areas:**

- Business and Distributive Education (505A)
- Counseling (505B)
- Early Childhood Education (505C)
- Elementary Teaching (505E)
- English Education (505F)
- Family and Consumer Sciences Education (505G)
- Mathematics Education (505H)
- Reading (505I)
- Science Education (505J)
- Secondary Teaching (505K)
- Social Sciences Education (505L)
- Special Education, Gifted Education (505N)
- Special Education, General (505O)
- Special Education, Mild/Moderate Certification (505P)
- Educational Technology (505R)
- Health and Human Performance (505S)
- Educational Leadership (505W)

Requirements for the Master of Education Degree in education in all Concentration Areas listed above include 33 semester hours as follows:

- A. Foundations (9 hours): Education 5010, 5020, 5030.
- B. Concentration Area (12-24 hours): To be selected from courses in the student's Concentration Area.
- C. Support Area (0-9 hours): To be selected from courses that support the student's Concentration Area.
- D. Application Area (0-6 hours): Education 5950 or 5980.

Business and Distributive Education Concentration (505A)

Undergraduate preparation: valid teaching certificate in business education or a valid vocational-technical certificate in business or distributive education.

Special requirements: minimum of 33 semester hours to include:

Business Education:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Business Education 5100, 5160, 5920, and six hours to be selected from: Business Education 4200, 4220, 5210, 5930, 6210.
- C. Support Area: Six hours to be selected from Business Administration 4800, Computer 5000, 5030, Educational Technology 4820, 4830, 5730, 5770.
- D. Application Area: Education 5950 or 5980.

Distributive Education:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Distributive Education 5110, 5920, and nine hours to be selected from: Distributive Education 4210, 6010, 6240, Business Education 4200, 4220, 4230, 5210, 5930, 6210.
- C. Support Area: 6 hours to be selected from: Business Administration 4800, Computer 5000, 5030, Educational Technology 4820, 4830, 5730, 5770.
- D. Application Area: Education 5950 or 5980.

* Passing score on PRAXIS Principles of Learning and Teaching required for admission to PREP.

** Passing score on PRAXIS Principles of Learning and Teaching is a degree requirement.

Counseling Concentration (505B)

May be pursued simultaneously with the Ed.S. in Counseling.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Counseling 5000, 5510, 5530, 5540, 5570, 5580, and Educational Psychology 5460.
- C. Support Area: No hours required.
- D. Application Area: 3 semester hours of Education 5950 or 5980.

Note: An additional 6 hours in Educational Psychology 5520 and Counseling 5610 are required for certification.

Early Childhood Education Concentration (505C)

Undergraduate preparation: valid teaching certificate in early childhood education, elementary education, or family and consumer sciences education.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 15 hours to include Early Childhood Education 5010, 5180, 5190, 5430, 5450.
- C. Support Area: Early Childhood Education 5470 and 3 hours selected from Early Childhood Education 5020, 5460.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Educational Leadership Concentration (505W)

Undergraduate preparation: A valid Louisiana teaching certificate is required of persons seeking certification as a principal or supervisor in Louisiana.

Special requirements: minimum of 33 semester hours to include.

Administration:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Educational Leadership 5100, 5110, 5140 or 5350, 6110, 6120, 6130, 6140.
- C. Support Area: No hours required.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Supervision:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Educational Leadership 5100, 5110, 5150, 6130 and Education 5160.
- C. Support Area: Two of the following: Educational Psychology 4400, 5410, 5460 or Educational Technology 5710.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Elementary Teaching Concentration (505E)

Undergraduate preparation: certification to teach in the elementary school.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Reading 5110, Education 6450, 6 semester hours selected from Education 5090, 5310, 5320, 5330, Special Education 5830.
- C. Support Area: Nine semester hours of subject concentration selected from either reading, educational

technology, an area of certification, or a subject area taught in the elementary school.

- D. Application Area: 3 semester hours in Education 5950 or 5980.

English Education Concentration (505F)

Undergraduate preparation: valid teaching certificate for secondary grades in English or another certification area with a minimum of 21 semester hours in English at the undergraduate level.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 18 semester hours in English.
- C. Support Area: Education 5160.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Family and Consumer Sciences Education Concentration (505G)

Undergraduate preparation: valid teaching certificate in Family and Consumer Sciences Education.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 12-18 hours to include Family and Consumer Sciences 5000, 5140.
- C. Support Area: 3-9 hours to be selected from list of approved electives maintained in the College of Education.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Mathematics Education Concentration (505H)

Undergraduate preparation: certification to teach mathematics.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 18 semester hours in mathematics.
- C. Support Area: Education 5160.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Reading Concentration (505I)

Undergraduate preparation: certification to teach in the elementary or secondary school; at least one undergraduate course in reading methods.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Reading 5110, 5130, 5150, 5510, 5710, 6510, Library and Information Science 5020.
- C. Support Area: No hours required.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Science Education Concentration (505J)

Undergraduate preparation: certification to teach science or mathematics; 18 semester hours in biological sciences including Biology 1010-1011, 1020-1021, Botany 2100-2101, Microbiology 2060-2061, Zoology 2050-2051 or equivalent for concentration in biology education; 14 semester hours from Chemistry 1030, 1040-1031-1041, 3010-3011, 3020-3021, 2110-2111, 2120-2121 or equivalent for concentration in chemistry education; 15 semester hours in Physics, including Physics 2030-2031, 2040-2041, 2510-2511, 2520-2521, or their equivalent for primary concentration in physics education.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: The student will choose two areas of concentration. A student will complete 12 hours of graduate credit in a primary concentration area and 6 hours of graduate credit in a secondary concentration area, selected from biology, chemistry or physics (i.e. 12 hours chemistry, six hours physics; 12 hours biology, six hours chemistry; 12 hours chemistry, six hours biology). Three-six hours in the concentration area will be internship hours. Students will teach an introductory science laboratory course (Biology 1011 or 1021, Chemistry 1031, 1041, or Physics 2031 or 2041).
- C. Support area: Education 5160.
- D. Application area: 3 semester hours in Education 5950 or 5980.

Secondary Teaching Concentration (505K)

Undergraduate preparation: certification to teach in the secondary school.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 12 semester hours in a content area.
- C. Support Area: Education 5160 and six semester hours to be selected from Educational Leadership 5150, Educational Psychology 5460 or Educational Technology 5710 or Reading 5130 or 5150.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Social Sciences Education Concentration (505L)

Undergraduate preparation: valid teaching certificate and 33 semester hours of social sciences.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 18 semester hours in the social sciences.
- C. Support Area: Education 5160.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Special Education Areas

Undergraduate preparation: valid teaching certificate.

Special requirements: minimum of 33 semester hours to include:

Gifted Education Concentration (505N)

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Special Education 5830, 5840, 5860, 5870, 5890, 5900.

C. Support Area: Educational Technology 5710.

D. Application Area: 3 semester hours in Education 5950 or 5980.

General Concentration (505O)

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: 12-18 hours to be selected from Special Education 4520, 4650, 5230, 5240, 5260, 5270, 5320, 5340, 5350, 5360, 5370, 5960, 5970, Educational Psychology 5370.

C. Support Area: 3-9 semester hours from Educational Psychology 5410, 5460, Educational Technology 5700, 5710, Reading 5110, 5510, 5710, Special Education 5840.

D. Application: 3 semester hours of Education 5950 or 5980.

Mild/Moderate Certification (505P)

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: 15-18 hours to be selected from Special Education 4520, 5340, 5450, 5510¹, 5520, 5570, 5600.

C. Support Area: Educational Psychology 5370, Special Education 5960.

D. Application Area: 3 semester hours of Education 5950 or 5980.

¹ To be taken if 3460 or 4460 has not been taken previously.

Educational Technology Concentration (505R)

Special requirements: minimum of 33 semester hours to include:

Teaching with Technology:

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: Educational Technology 5710, 5730, 5750, and 5780.

C. Support Area: 9 hours to be selected from Educational Technology 4810, 4820, 4830, 4840, 4850, 5700, 5760, 5770, 5790, Adult and Continuing Education 4720, 5740.

D. Application Area: 3 semester hours of Education 5950 or 5980.

Technology Leadership:

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: Educational Technology 5700, 5710, 5760, and 5780.

C. Support Area: Educational Technology 4840, 5790, and 3 hours from Educational Technology 5770 or Adult and Continuing Education 5740.

D. Application Area: 3 semester hours of Education 5950 or 5980.

Health and Human Performance Concentration (505S)

Undergraduate preparation: undergraduate preparation for a major or minor in Health and Human Performance as defined at Northwestern State University.

Special requirements: minimum of 33 semester hours to include:

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: Human Performance 4360, 5250, 5430, 5470 or 5660.

C. Support Area: Health Education 4880, 5100, 5200.

D. Application Area: 3 semester hours in Education 5950 or 5980.

Adult Education (510)

This program is designed to meet the instructional needs of those persons who provide training in work-force development sites, businesses, educational institutions, and social agencies. The degree requirements serve both teacher-certified and non-certified students interested in careers in adult education.

The program consists of a minimum of 33-semester hours, including a 12-semester hour core, a 12-semester hour concentration, a 6-semester hour support area, and a 3-semester hour application area. The program addresses standards of the National Council for the Accreditation of Teacher Education and the Commission of Professors of Adult Education. All courses are offered through distance learning delivery system via the Internet.

Required courses in the program emphasize adult development and learning theories, foundations of adult and continuing education, instructional design, and integration of appropriate technologies. In addition, a research course focuses on data-driven activities for assessing the criteria, standards, and strategies that a community of practitioners need to employ to make sound, empirically supported professional decisions.

Special requirements: minimum of 33 semester hours to include:

- Foundations: Education 5840; Adult Education 5700, 5710; Educational Technology 5780.
- Concentration Area: Adult Education 4700, 5730, 5740, 5750.
- Support Area: 3-6 semester hours from Adult Education or Educational Technology.
- Application Area: 3-6 semester hours from Education 5950 or 5980.

Student Personnel Services (575)

A Master of Arts degree in Student Personnel Services (CACREP accredited) consists of two separate concentration areas. The Student Affairs concentration prepares students for entry level administrative positions in technical, community college, and university settings. The College Counseling concentration prepares students for careers in college counseling centers. The degree requires 48 semester hours of credit and typically requires a minimum of four semesters and one summer of enrollment. No teaching certification or particular undergraduate degree is required for admission, although a course in statistics is a prerequisite for several courses.

Required courses common to both concentration areas include: Student Personnel Services 5500, six credits in 5570, 5580, 5920, 5930, 5960; Counseling 5000, 5510, 5530, 5610; Educational Psychology 5460, 5520; and Education 5010. Student Affairs concentration students take Student Personnel Services 5550 and 5970. College Counseling concentration students take Counseling 5550 and 6530.

The College Counseling concentration prepares graduates to seek the National Certified Counselor credential. Students interested in licensure in Louisiana are encouraged to take additional course work including Counseling 6520 (necessary), Student Personnel Services 5800 (recommended), and Counseling 5650 (recommended).

Students should note that some courses have prerequisites which must be taken in the correct order. See the course descriptions in this catalog for prerequisite information.

All students are required to pass a comprehensive examination near the end of their program and complete either a thesis or paper-in-lieu of thesis. Additional details on these requirements can be found in the Student Personnel Services Student Handbook.

To be admitted to the Student Personnel Services program, prospective students must first be fully admitted to graduate studies at Northwestern. In addition to the application materials for Graduate Studies, applicants must submit an autobiographical career statement and be interviewed by program faculty. Prospective students are referred to the Student Personnel Services program's student handbook or website (www.education.npsu.edu/sps/) for more specific details about the program and admission procedures. As noted, admission to Graduate Studies does not guarantee admission into the Student Personnel Services program.

Students will be assigned a temporary advisor upon applying for admission. The temporary advisor will become the student's major professor after admission to the program unless the student requests otherwise. All courses are not offered every semester and students should pay attention to both prerequisites and time offered in planning their matriculation. Students are strongly urged to consult with their advisor before registering.

Educational Leadership and Instruction (582)

The Educational Specialist degree is offered in Educational Leadership and Instruction with the following concentration areas:

- Counseling (582A)
- Elementary Teaching (582C)
- Reading (582D)
- Secondary Teaching (582F)
- Special Education (582G)
- Educational Technology (582H)
- Educational Leadership (582I)

Counseling Concentration (582A)

May be pursued simultaneously with the M.Ed. degree in Counseling.

Degree Requirements: Courses required for the Master's degree (Counseling) must have been completed as a prerequisite for entry and form the first 30 credits for the Education Specialist. Education 6700, Educational Psychology 6420, Counseling 5560, 5550, 6530 (subtitle), 5650, 6530 (subtitle), 5610, six semester hours of 5980.

Elementary Teaching Concentration (582C)

Degree requirements: A minimum of 63 semester hours of graduate credit above the bachelor's degree including: Education 5010, 5020, 5030, 5160, 5310, 5320, 5330, 5090, 6340; Educational Leadership 5110; Educational Psychology 5460; three semester hours electives from professional education or educational psychology courses; 18 semester hours of graduate credit from supporting academic areas as approved by the department; six semester hours of Education 5980 or 5990.

Reading Concentration (582D)

Special Requirements: possession of full certification for teaching in either elementary or secondary schools and three years of successful full-time teaching experience.

Degree requirements: A minimum of 63 semester hours of graduate credit (including Master's degree credit) of which at least 30 semester hours must be in reading and reading related courses. Twelve semester hours are required from the foundations core. Work in supporting areas and allied methods and theory must total 12 semester hours. Nine semester hours are required for research methodology and thesis credit.

Secondary Teaching Concentration (582F)

Special requirements: Valid certification to teach in the secondary school and three years of successful full-time teaching experience.

Degree requirements: Fifteen semester hours to include Education 5010, 5020, 5030, 5160, and Educational Psychology 4400; nine semester hours selected from Educational Leadership 5110, Educational Technology 4810, 5710, 5750; six semester hours from Educational Psychology 4420 and Counseling 5000, 5540; six semester hours electives from education or supporting area; six semester hours of thesis or field study credit; and 21 semester hours of graduate credit from one area of certification to teach in the secondary school. A minimum of 63 semester hours of graduate credit above the bachelor's degree, including Master's degree credit.

Special Education Concentration (582G)

Degree requirements: A minimum of 63 hours. Thirty-nine semester hours must be in special education and related courses, nine hours in educational psychology, nine hours in research methods and statistics, and six hours in thesis or field study.

Educational Technology Concentration (582H)

Degree requirements: Sixty hours to include a master's degree and the following courses: Eighteen semester hours from Educational Technology 5710, 5760, 5770, 5780, 6000, 6030, 6040, 6450; six semester hours work in support area such as Adult and Continuing Education 5740 and 5760; Education 5980, or 5990, 5000 or 6000 elective graduate courses.

Educational Leadership Concentration (582I)

Special Requirements: Valid certification to teach in either elementary or secondary school and three years successful full-time teaching experience.

Degree requirements: A minimum of 63 semester hours of graduate credit including Master's degree credit as follows:

Elementary Principalship: Education 5010, 5020, 5030, and Educational Psychology 4400 (12 semester hours); Educational Leadership 5100, 5110, 5350, 6110, 6120, 6130, 6140, 6180 (24 semester hours); 21 semester hours from a related certifiable field; and six semester hours of thesis or field study credit.

Secondary Principalship: Education 5010, 5020, 5030, and Educational Psychology 4400 (12 semester hours); Educational Leadership 5100, 5110, 5140, 6110, 6120, 6130, 6140, 6180 (24 semester hours); 21 semester hours from a related certifiable field; and six semester hours of thesis or field study credit.

Supervisor: Education 5010, 5020, 5030, 5160, and Educational Psychology 4400 (15 semester hours); Educational Leadership 5100, 5110, 5150, 6130, 6180 (15 semester hours); six semester hours from Educational Psychology 4420, 5410, 5460 or Educational Technology 5710; 21 semester hours from a related certifiable field; and six semester hours of thesis or field study credit.

COLLEGE OF LIBERAL ARTS

Room 149, Kyser Hall

318-357-4330

Dean: Donald W. Hatley, *Professor*

Mission of the College of Liberal Arts

The College of Liberal Arts provides a superior undergraduate education in Journalism, the Social Sciences, English, Psychology, Social Work, and the Fine Arts. Faculty members in the College, educated in the finest universities both in the United States and abroad, are dedicated to teaching using traditional and non-traditional instructional methods, as well as modern information technologies. The College of Liberal Arts seeks to attract highly qualified students to master's programs in the Fine Arts, English, Psychology, and Social Sciences and to place graduates in the best doctoral programs and professional positions. The faculty of the College also seeks to remain on the cutting edge of scholarship and artistic production as reflected in books and articles accepted by leading publishing houses and scholarly journals. Artistic efforts created in the College of Liberal Arts are presented at nationally respected galleries and performance centers.

Degrees Offered Through the College of Liberal Arts

Associate of Arts program in: Criminal Justice

Bachelor of Arts programs in: Anthropology; Criminal Justice; English with concentrations in: literature, and professional writing; History; Journalism with concentrations in: broadcast, news-editorial, and public relations; Political Science; Social Sciences; Sociology with a concentration in: applied sociology

Bachelor of Fine Arts program in: Fine and Graphic Arts with concentrations in: graphic communications, and studio art

Bachelor of Science programs in: Psychology with concentrations in: substance abuse, and prevention specialist; Theatre

Bachelor of Music with concentrations in: performance, and sacred music

Bachelor of Music Education with concentrations in: instrumental music, vocal music (voice), and vocal music (piano)

Bachelor of Social Work

Master of Arts programs in: Art; English with concentrations in: literature, folklife/southern culture, and writing and linguistics

Master of Science program in: Psychology, Clinical with concentrations in: substance abuse, and prevention specialist

Master of Music

Pre-Professional Programs

Pre-Law

Departments Within the College of Liberal Arts

Department of Journalism

Department of Language and Communication

Department of Psychology

Department of Social Work

Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts

School of Social Sciences

Accreditation

The Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts programs are fully accredited by the National Association of Schools of Art, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190; National Association of Schools of Theatre, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190; and the National Association of Schools of Music, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190. The Journalism program is fully accredited by the Accrediting Council of Education in Journalism and Mass Communication, University of Kansas School of Journalism, Stauffer-Flint Hall, 1435 Jayhawk Blvd., Lawrence, KS, 66045-7575. The Social Work program is fully accredited by the Council on Social Work Education, 1725 Duke Street, Suite 500, Alexandria, VA, 22314-3457.

MRS. H. D. DEAR, SR. AND ALICE ESTELLE DEAR SCHOOL OF CREATIVE AND PERFORMING ARTS

Department Head: William Brent, *Associate Professor*

Professor Emeritus: Jack Wann

Professors: B. Allen, Bullock, Downs, McDermott, Murphy, Thompson, Yankowski

Associate Professors: Burrell, Coreil, S. Foster, Green, Held, Parrish, Ralston, Rodriguez, Rose, Seigler, T. Smith

Assistant Professors: C. Allen, Fitenko, Kidd, Mathews, Moreau, Rorex, Sanders, Walters, Wyatt

Instructors: DeFee, McLaren

Degree Programs Available Through the Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts

Bachelor of Fine Arts program in: Fine and Graphic Arts with concentrations in: graphic communications, and studio art

Bachelor of Music with concentrations in: performance, and sacred music

Bachelor of Music Education with concentrations in: instrumental music, vocal music (voice), and vocal music (piano)

Bachelor of Science program in: Theatre

Master of Art program in: Art

Master of Music

The School of Creative and Performing Arts was renamed in honor of Mrs. H. D. Dear, Sr. and Alice E. Dear in 1994 by the Board of Trustees for State Colleges and Universities in recognition of their endowment to music scholarships.

Fine and Graphic Arts

The Fine and Graphic Arts program is fully accredited by the National Association of Schools of Art and Design (NASAD), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20190. Telephone number 703-437-0700.

Fine and Graphic Arts major requirements: (78 semester hours) Students seeking a major in Fine and Graphic Arts must complete 78 semester hours, within the 125 semester hour Fine and Graphic Arts curriculum, which include a 48 semester hour art core and a 30 hour concentration. A "C" or better average is required for all Art classes to complete requirements for graduation.

Core: (48 hours) Art 1010, 1020, 1060, 1070, 1220, 1230, 2000, 2010, 2050, 2090, 2240, 3110, 4030, 4100; Fine Arts 1040; Photography 1050, 1051 (lab).

Concentration: (Fine and Graphic Arts majors must select a 30 semester hour concentration as defined below.)

Fine and Graphic Arts minor requirements: (21 semester hours) Art 1010, 1060, 1070; Fine Arts 1040; and nine semester hours of Art electives.

Available Concentrations: (30 semester hours of Art courses each)

Graphic Communications (214A): Art 1110, 1120, 2100, 2110, 3100, 3500, 4030, 4180, 4400; Photography 2150, 2151 (lab). (30 semester hours). Additional requirements: Journalism 2010 or 3510. (3 semester hours).

Studio Art (214B): Select 30 semester hours from: Art 2020, 2060, 2070, 3010, 3020, 3120, 3210, 3250, 4000, 4030, 4120, 4130, 4220, 4450, 4460. Additional requirements: Philosophy 1010 or 4030. (3 semester hours).

Curriculum for Fine and Graphic Arts (214)

FIRST YEAR	SEM. HRS.
Art 1010, 1020, 1060, 1070	12
English 1010, 1020.	6
Fine and Graphic Arts Concentrations ²	6
Health and personal fitness ¹	4
Mathematics ¹	6
Orientation 1010	1
	35

SECOND YEAR	SEM. HRS.
Art 1220, 1230, 2000, 2010, 2090	15
English or speech ¹	3
English literature ¹	3
Fine and Graphic Arts Concentration ²	9
Fine Arts 1040	3
Psychology 1010	3
	36

THIRD YEAR	SEM. HRS.
Art 2050, 2240, 3110	9
Fine and Graphic Arts Concentrations ²	9
Photography 1050, 1051	3
Science ¹	6
Social Sciences ¹	3
	30

FOURTH YEAR	SEM. HRS.
Art 4030, 4100	6
Fine and Graphic Arts Concentrations and electives ¹	12
History ¹	3
Science ¹	3
	24

Total Semester Hours for Degree: 125

Footnotes:

¹ Refer to University core requirements.

² Students must choose a concentration.

³ Graphic Communications concentrations must take Journalism 2010 or 3510 and Photography 2150, 2151. Studio Art concentrations must take Philosophy 1010 or 4030.

Senior Exhibition

Graduating seniors will be required to demonstrate studio competence by presenting a public exhibition for faculty committee evaluation. Specific areas of deficiency will require additional study. All Fine and Graphic Arts students must take Art 4030 the last semester of the senior year to satisfy senior exhibition requirements.

Photography Minor

Photography Minor Requirements: (21 semester hours) Photography 1050, 2150 or Jour 2610, Photography 3140, 3150, 3200, Art 4180, Photography 4090 or 4550.

Music

All degree programs in music are fully accredited by the National Association of the School of Music, 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20196, telephone number (703) 437-0700.

Music Major Requirements: (85 semester hours) Students seeking a major in Music must complete 85 semester hours, within the 129 semester hour Music curriculum. 37 of these hours are specified in the concentration. The remaining 48 hours include MUS 1150, 1151, 1160, 1161, 2030, 2040, 2150, 2151, 2160, 2161, 3030, 3040, 3090, 4010, 4060, 7 credit hours of ensembles, 4 credit hours of piano, and MUS 1500 for 6 semesters. In addition, Music majors must take 9 hours of foreign language, of which 6 hours will be in either French or German and the remaining 3 hours will be in another language; except instrumental students, who must take all 9 hours in either French or German. All Music students must elect one of the concentrations listed below.

Music Minor Requirements: (select from one of the areas below)

Performance: (26 semester hours) Music 1150, 1151, 1160, 1161; four hours from 2030, 2040, 3030, 3040, plus 12 hours in performance instruction (at least eight of these being in major performance area) and four hours on music electives (must include a music ensemble).

Music Theory: (26 semester hours) Music 1150, 1151, 1160, 1161, 2150, 2151, 2160, 2161; four hours from 2030, 2040, 3030, 3040; six semester hours in a major performance area and four semester hours of music electives (must include a music ensemble).

Available Concentrations: (37 hours each)

Performance Concentration (242P): MUS 1710 for four semesters (12 credit hours), MUS 3710 for four semesters (12 credit hours), MUS 4150, 4390, 4720, 4 credit hours of minor performance elective appropriate to the degree, and 1 additional credit hour of ensemble.

Sacred Music Concentration (242M): MUS 1710 for four semesters (8 credit hours), MUS 3710 for three semesters (6 credit hours), MUS 1230, 2120, 2130, 3120, 3130, 3100, 4120, 4720, MUED 4520, 1 additional hour of diction or vocal ensemble, and 4 credit hours of minor performance elective, of which vocal students must elect organ, and keyboard students must elect voice.

Fees and Special Requirements

Special Requirements: Music majors are required to attend recitals and concerts and to participate in performing ensembles, as listed in the individual curricula in this catalog. All music majors must pass a proficiency examination in piano. Music majors are required to practice a minimum of one hour a day for each credit hour of major applied study and one-half hour a day for each credit hour of minor applied study. Students seeking a double major have a residency requirement of five years, or four years and three summers.

Private Lessons: To enroll in private lessons, a student must be a full-time student at NSU. Exceptions to this rule require approval of the head of the Dear School of Creative and Performing Arts, the Dean of Liberal Arts, and the Vice President for Academic Affairs.

Fees: There are no special fees for music majors and students within a declared music minor or those performing with major

ensembles. Other students pay a fee of \$60 a semester for one one-hour private lesson per week and \$30 for one half-hour private lesson per week. They must also pay a fee of \$5 a semester for renting a practice room for one hour a day and \$2 for each additional hour.

Curriculum for Music (242)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Ensembles ¹	2
Fine Arts 1040	3
Mathematics ²	6
Music 1150, 1151, 1160, 1161, 1500 (each semester), 1710 ³	12
Orientation 1010	1
Piano ³	2
	32

SECOND YEAR	SEM. HRS.
English or speech ²	3
English literature ¹	3
Ensembles ¹	2
Foreign language ⁵	6
Music 1500 (each semester), 1710 ⁴ , 2030, 2040, 2150, 2151, 2160, 2161	16
Piano ³	2
Science ²	3
	35

THIRD YEAR	SEM. HRS.
Ensembles ¹	2
Foreign language ⁵	3
Music 1500 (each semester), 3030, 3040, 3090	6
Music Concentration ⁶	11
Science ²	3
Social sciences ²	3
	28

FOURTH YEAR	SEM. HRS.
Ensembles ¹	1
Health and personal fitness ²	4
History ²	3
Music 4010, 4060, 4720 ⁷	8
Music Concentration	12
Science ²	3
Social sciences ²	3
	34

Total Semester Hours for Degree: 129

Footnotes:

1 Instrumental students must participate in two performing ensembles each semester of residence, to be assigned to band or orchestra as needed. Keyboard students must enroll for at least two semesters of a major performing ensemble. Vocal music students must participate in performing ensembles each semester of residence and will be assigned to Music 1320, 1330, and 1430 as needed.

2 Refer to University core requirements.

3 Piano majors are required to take MUS 4490 and 4260 in their third and fourth years respectively in lieu of MUS 1800, 1810, 1820, 1830.

4 Performance Concentration will take 6 hours in 1710. Sacred Music Concentration will take 4 hours of 1710 and 2 hours of performance electives appropriate to the degree.

5 Instrumental students with a Performance Concentration must take all 9 hours in either French or German. Vocal students and Sacred Music Concentration students may take 6 hours in either French or German, and 3 hours of other languages.

6 For Performance Concentration, piano students must take a performance elective other than piano, and vocal students must take piano.

7 MUS 4720 (Recital): Performance Concentration will give a solo recital and Sacred Music Concentration present a recital which may consist of one or more performance media, including conducting.

NOTE: Proficiency requirement in major performance area must be satisfied prior to being admitted to 3710-level study. Music majors must earn at least a "C" (2.0) in each music course, in order for those courses to be credited as completed prerequisites or to count as graduation requirements.

Music Education

Music Education Major Requirements: (66 semester hours)
Students seeking a major in Music Education must complete 66 semester hours, within the 140 semester hour Music Education curriculum, which include a 27 semester hour Music Education core and a 39 semester hour concentration.

Core: (27 semester hours) Music, 1150, 1151, 1160, 1161, 2150, 2151, 2160, 2161, 2030, 2040, 3030, 3040; 3090, 3100 or 3110; 4010, six semesters of 1500.

Concentration: (39 semester hours as defined below)

Available Concentrations: (39 semester hours each)

Instrumental Music, All-level certification (324A): Music 4050, a **minimum** of 14 hours on the major instrument, a minimum of four hours of piano, 10 hours of performance techniques, which must include credit in woodwind, brass, string, and percussion instruments, and one hour of vocal techniques or vocal ensemble, and seven hours of instrumental ensemble.

Vocal Music: Piano, All-level certification (324B): Music 4520, a **minimum** of 14 hours in applied piano, a **minimum** of 10 hours of voice, two semesters of 1650, 4150 (Vocal Pedagogy), three hours of accompanying, and Music 2110 or one hour of instrumental ensemble, and three hours of vocal ensemble.

Vocal Music: Voice, All-level certification (324C): Music 4520, a **minimum** of 14 hours in applied voice, a **minimum** of eight hours of piano, 4150 (Vocal Pedagogy), three hours of diction, and Music 2110 or one hour of instrumental ensemble, and seven hours of vocal ensemble.

Curriculum for Music Education (324)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Ensembles?	2
Health and personal fitness?	2
Mathematics?	6
Music 1150, 1151, 1160, 1161, 1710, 1500 each semester	10
Music Education 2020	3
Orientation 1010	1
Performance/pedagogy technique?	4
Social sciences?	3
	37

SECOND YEAR	SEM. HRS.
Educational Psychology 3000	3
English 3210, literature?	6
Ensembles?	2
Music 1500 each semester, 1710, 2030, 2040, 2150, 2151, 2160, 2161	14
Performance/pedagogy technique?	6
Science?	3
Health and personal fitness?	2
	36

THIRD YEAR	SEM. HRS.
Educational Psychology 3010	3
Ensembles?	2
Fine Arts 1040?	3
Music 1500 each semester, 3030, 3040, 3090, 3110? or 3100, 3710?, 4010	15
Music Education 3140	3
Performance/pedagogy technique?	3
Science?	3
Social sciences?	3
History 2010 or 2020	3
	38

FOURTH YEAR	SEM. HRS.
Education 4020, 4040?	12
Music Education 4010	3
Ensembles?	1
Music 3710?, 4050 or 4520?	5
Performance/pedagogy technique?	2
Reading 4080	3
Science?	3
	29

Total Semester Hours for Degree: 140

Footnotes:

- 1 Selected to meet University core requirements.
- 2 Ensemble participation is to be appropriate to the major performance area and subject to stated departmental policies.
- 3 Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.
- 4 Instrumental concentration must elect four hours of piano, 1840, 1860, 1880, 1890, and either 1910 or vocal ensemble, plus two credits in 1850, 1870, 1920, or 1930. Vocal concentration must elect eight hours of piano, three hours of diction and 4150 subtitle 3, and either 2110 or instrumental ensemble. Piano concentration must elect 10 hours of voice, 4150 subtitle 3, one hour of accompanying, and either 2110 or instrumental ensemble.
- 5 Student teaching constitutes a full academic load for one semester.
- 6 Instrumental concentration must elect 4050 and 3110. Vocal concentration must elect 3100 and 4520.
- 7 Instrumental concentration must take FA 1040 and two hours of performance/pedagogy technique in the first year and five hours of performance/pedagogy technique in the third year.

Theatre

The Theatre program is fully accredited by the National Association of Schools of Theatre, 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20190, telephone number (703) 437-0700.

Theatre Major Requirements: (44 semester hours) Students seeking a major in Theatre must complete 44 semester hours, within the 125 semester hour Theatre curriculum, which include Theatre 1010, 2300, 2310, 2320, 2360, 3010, 3220, 3370, 3380, 4360, 4370, and six semester hours to be selected from Theatre 3350, 4310, 4420, or 4430, and nine semester hours of approved electives in Theatre.

Theatre Minor Requirements: (25 semester hours) Theatre 1010, 2300, 2310, 2320, 2360, 3350, 3370 and eight semester hours of approved theatre electives.

Curriculum for Theatre (245)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Mathematics?	3
Orientation 1010	1
Speech 1010	3
Theatre 1010, 2300, 2310, 2320, 2360	14
Theatre electives	5
	32

SECOND YEAR	SEM. HRS.
Electives?	6
English literature?	3
Foreign language?	6
Health and personal fitness?	4
Mathematics?	3
Science?	3
Theatre 3370	3
Theatre 3350, 4310, 4420, 4430	6
	34

THIRD YEAR	SEM. HRS.
Theatre electives	4
Electives ¹	12
Fine Arts 1040	3
Science ¹	3
Social sciences ¹	6
Theatre 3380	3
	31

FOURTH YEAR	SEM. HRS.
Electives ²	13
History ¹	3
Science ¹	3
Theatre 3010, 3220, 4360	6
Theatre 4370	3
	28

Total Semester Hours for Degree: 125

Footnotes:

¹ Refer to University core requirements.

² Electives must be chosen so as to complete a minor as defined by the department concerned.

³ All six semester hours must be in the same foreign language.

Dance Minor

Dance Minor Requirements: (25-26 semester hours) Dance 2590 or 4800; Theatre 2300, 2320, 2310 or 3330 or 3340, fourteen semester hours of dance technique courses.

Graduate Programs

Master of Arts Program in: Art (511)

Undergraduate preparation: an undergraduate major or its equivalent as defined by Northwestern State University; evaluation of art work by the art faculty prior to enrollment.

Special requirements: 30 semester hours to include 12 hours of studio courses designated by a graduate committee; six hours of art history research; three hours of graduate seminar and nine hours of approved electives.

Each candidate for the Master of Arts in Art must demonstrate studio competency by presenting a public exhibition of the candidate's work for evaluation by his/her graduate committee prior to graduation. Areas of deficiency could result in additional required study.

Master of Music (542)

The Masters of Music at Northwestern State University is structured to provide flexibility in order to meet the needs and interests of all music graduate students. The degree's primary focus is music education, but students are allowed a great deal of latitude in choosing the direction they wish to take for their graduate study (music education, conducting, performance, history, etc.). Each student, with the help of a graduate advisor, creates his or her own degree plan that will facilitate educational, professional, and personal goals.

Each candidate must complete a total of 30 semester hours. Twelve of these hours must be taken from studies in the major field. An additional 12 hours must be taken in other studies in music. The remaining six hours are to be taken as electives from either the major field or courses outside the major field. Each student must also complete a comprehensive written exam and one of the following final projects as part of the 30 hour degree: 1) Thesis, 2) Two papers in lieu of Thesis, 3) Graduate Recital and Performance Document.

Admission Requirements

A Bachelor of Music in Music Education is required for admission to the program. Students who do not have an undergraduate degree in Music or Music Education may be admitted to the program with proof of basic competencies in music, to be determined by the Music Graduate Committee.

Each student will take a Diagnostic Exam and participate in Graduate Orientation the week prior to the first day of class.

Special Requirements for Degree

- 1) Participation as needed (at least two semesters) in performing ensembles, without degree credit. Must enroll in MUS 5280.
- 2) MUS 5010 (Practical Review) may be required without degree credit on basis of entrance examination.
- 3) MUS 5900 is required of all students.

DEPARTMENT OF JOURNALISM

Department Head: Steven Horton, *Associate Professor*

Assistant Professors: Brocato, Furr, Pierce, Ralston

Instructor: Anderson

Affiliate: Bradley

Degree Program Available Through the Department of Journalism

Bachelor of Arts program in: Journalism with concentrations in: broadcast, news-editorial, and public relations

The Department of Journalism at Northwestern State University is part of a regional university that places the highest premium on excellence in teaching. Its intent is to equip students with knowledge and skills for success in the field of journalism and mass communications. The Department also shares the University's commitment to provide students a broad liberal arts education.

Northwestern State University's selective admissions policy extends to the Department of Journalism. The Department shares the University's commitment to the state constitutional mandate for public schools in Louisiana "to provide learning environments and experiences that are humane, just and designed to promote excellence in order that every individual may be afforded an equal opportunity to develop to his/her full potential." To create interest in the area of mass communication, the Department preserves linkages with area high school scholastic journalism programs.

The Department of Journalism provides a program of study that affords students from diverse academic and cultural backgrounds the opportunity to prepare for a professional degree. The goal of instruction is to help students develop abilities necessary to prepare them for professional employment or advanced studies. The skills, knowledge and dispositions in the area of mass communication are built on the foundations of a broad liberal arts tradition and incorporate the professional standards of mass media.

The Department provides modern production equipment for the study of print, public relations and media communication.

Following the successful completion of English 1010 and 1020 (grade of "C" or better), students must take and pass the Department's Language Skills Diagnostic Test (LSDT) before registering for Journalism 2510. The exam is given several times throughout the semester. Consult your academic advisor for specific times and details.

Journalism

The Journalism program is fully accredited by Education in Journalism and Mass Communication, University of Kansas School of Journalism, Stauffer-Flint Hall, Lawrence, Kansas 66045, telephone number (913) 864-3973.

Journalism Major Requirements: (36 semester hours) Students seeking a major in Journalism must complete 36 semester hours within the 125 semester hour Journalism curriculum, which include a 15 semester hour Journalism core and a 21 semester hour concentration. A "C" or better is required for all Journalism classes to complete requirements for graduation.

Core: (15 semester hours) Journalism 1980, 2010, 2510, 3040, 4200, 4700.

Concentration: (Journalism majors must select a 21 semester hour concentration as defined below.)

Journalism Minor Requirements: (21 semester hours) Journalism 2010, 2510, 3040; a three semester hour Journalism elective; and nine semester hours from one of the following categories: **broadcast**, Journalism 3450, 4400, 4440; **news-editorial**, Journalism 2520, 3080, 3530; **public relations**, Journalism 3060, 3660, 4060.

Students must use electives to complete minors outside the department. Consult University Catalog for specific course requirements for each minor.

Available Concentrations: (21 semester hours each)

Broadcast (231A): Journalism 3420, 3450, 3470, 4400, 4440, six semester hours of journalism elective.

News-Editorial (231B): Journalism 2520, 3080, 3260, 3530; 4010 or 4100 or 4500; six semester hours of journalism elective.

Public Relations (231C): Journalism 3060, 3530, 3600, 3660, 4060, six semester hours of journalism elective.

Curriculum for Journalism (231)

FIRST YEAR	SEM. HRS.
English 1010, 1020 ^a	6
Foreign language ¹	6
Journalism 2010	3
Mathematics ²	6
Orientation 1010	1
Science ²	6
Philosophy 2020	3
	31

SECOND YEAR	SEM. HRS.
Economics 2010	3
English 2050, 2060, 2070, or 2080	3
Fine Arts 1040	3
Geography 1010, 1020, or 2020	3
Health and personal fitness ³	4
History ²	3
Journalism 2510 ^a	3
Political Science 2010 or 2020	3
Science ²	3
Sociology 1010	3
	31

THIRD YEAR	SEM. HRS.
Electives ¹	6
English 3200, 3230, 3300, 4060 or 4070	3
Journalism 1980, 3040	4
Journalism concentrations ¹	12
Marketing 3230	3
Social Science elective	3
	31

FOURTH YEAR	SEM. HRS.
Electives ⁴	9
English 3210	3
Journalism 4200, 4700	5
Journalism concentrations ³	9
Psychology 4400	3
Sociology 3200	3
	32
Total Semester Hours for Degree:	125

Footnotes:

¹ All six semester hours must be in the same foreign language—1010 and 1020.

² Refer to University core requirements.

³ Chosen from concentration.

⁴ Electives are chosen to complete a minor as defined by department concerned. CIS 3020 must be taken for public relations and news-editorial concentrations, and SPCH 1020 must be taken for broadcast concentrations.

⁵ A "C" or better in English 1010 and 1020 and a passing score on the grammar and writing components of the Language Skills Diagnostic Test (LSDT) is a prerequisite for Journalism 2510.

DEPARTMENT OF LANGUAGE AND COMMUNICATION

Department Head: Joseph Colavito, *Associate Professor*

Professors: Ford, Hatley, Norman, Rubino, Razovsky

Associate Professors: Abney, Cruise, Green, Kane

Assistant Professors: Atkins, Bauman, Foster, Ingram, Pettijean, Pratt

Instructors: Callahan, Carroll, Caudle, Comeaux, Erath, Fisher, Helsel, McNeely, Pichon, Pickett, Reynolds, Salter, Sims, Wied, Wiggins

Degree Programs Available Through the Department of Language and Communication

Bachelor of Arts program in: English with concentrations in: literature, and professional writing

Master of Arts program in: English with concentrations in: literature, folklife/southern culture, and writing and linguistics

English

English Major Requirements: (45 semester hours) A major in English requires successful completion of 45 semester hours, within the 122 semester hour English curriculum, which include a six semester hour English core and a 39 semester hour concentration.

Core: (six semester hours) English 1010, 1020.

Concentration: (39 semester hours as defined below).

English Minor Requirements: (24 semester hours) English 1010, 1020, six hours of English at the sophomore level, and 12 semester hours of advanced English.

Available Concentrations: (39 semester hours each)

Literature (221A): English 2070, 2080, 3100, 3150, 3160, and 3170; three semester hours from English 3200, 4000, 4100, 4110 or 4660; three semester hours from English 4420; English 4050; and twelve semester hours of advanced English literature courses.

Professional Writing (221B): English 2050 and 2060 or 2070 and 2080; six semester hours from 2090, 2100, 2510, or 2610; three semester hours from 3200 or 4660; three semester hours from 4000, 4100, or 4110; English 4080; and eighteen semester hours of advanced courses in writing, linguistics, rhetorical theory, or composition studies.

Curriculum for English (221)

FIRST YEAR	SEM. HRS.
Elective ²	3
English 1010, 1020	6
Health and personal fitness ¹	4
History 1010, 1020 or 2010, 2020	6
Mathematics ¹	6
Orientation 1010	1
Science ¹	6
	32

SECOND YEAR	SEM. HRS.
Electives ²	9
English 2070 and 2080 ³	6
Fine Arts 1040	3
Foreign language ⁴	6
Science ¹	3
Social sciences ¹	3
	30

THIRD YEAR	SEM. HRS.
English 3100, 3150, 3160, and 3170 ⁵	12
English 4420	3
Foreign language ⁴	6
Philosophy	3
Electives ²	6
	30

FOURTH YEAR	SEM. HRS.
English (advanced) ⁵	12
Electives ²	12
English 3200, 4000, 4100, 4110, or 4660	3
English 4050	3
	30

Total Semester Hours for Degree: 122

Footnotes

- 1 Refer to University core requirements.
- 2 Electives must be chosen so as to complete a minor as defined by the department concerned.
- 3 Students in the professional writing concentration may take 2050 and 2060 instead of 2070 and 2080.
- 4 All twelve semester hours must be in the same foreign language—1010, 1020, 2010, and 2020 (in German 2030 or 2050 instead of 2020).
- 5 Students in professional writing concentration will take 12 hours of advanced courses applicable to the concentration.

Graduate Program

Master of Arts Program in: English (529)

Undergraduate preparation: an undergraduate major of at least 27 semester hours of English.

Foreign Language: Six semester hours of one foreign language at the sophomore level.

All students must take English 5800. All students awarded teaching assistantships must also take English 5280. These required courses do count as hours toward the degree.

A satisfactory written comprehensive examination.

Every thesis requires six hours of enrollment in English 5980 and an oral defense. All non-thesis degree plans require two research reports in lieu of thesis, to be approved by the student's degree committee and submitted to the Dean of the Graduate Studies and Research.

Degree Options

Every student will select one of the following:

1. Literature offers two options:

Graduate students pursuing the Literature concentration are required to take one seminar in a major literary figure: 5100 (Chaucer), 5150 (Shakespeare), 5200 (Milton), or 4750 (Seminar: Major Authors); credit from a previous undergraduate course does not fulfill this requirement.

(A) 24 hours of course work and a thesis.

(B) 30 hours of course work and two research reports in lieu of a thesis.

2. **Folklife/Southern Culture** Concentration offers two options:

All graduate students selecting the Folklife/Southern Culture Track are required to take English 4650, 4670. Students should take nine additional hours in courses in the areas of Folklife/Southern Culture. Students may choose to take their remaining courses in the areas of literature (particularly American literature), folklore, linguistics, and rhetoric and composition.

(A) 24 hours of course work and a folklore thesis.

(B) 30 hours of course work and two folklore research reports in lieu of thesis.

3. **Writing and Linguistics** offers two options:

Required courses include English 5280 and at least 12 hours of linguistics and/or rhetoric.

(A) 24 hours of course work and a writing and linguistics thesis.

(B) 30 hours of course work and two writing and linguistics research reports in lieu of a thesis.

Foreign Language Minor

Foreign Language Minor Requirements: (21 semester hours)

A minor in French, German or Spanish can be earned by completing 21 semester hours in any one language.

Speech Minor

Speech Minor Requirements: (24 semester hours) Speech

1010, 1210, 2050, 2500, 3120, 4010, 4020, and 4030.

DEPARTMENT OF PSYCHOLOGY

Acting Department Head: Cynthia Lindsey, Assistant Professor

Professor: McHale

Associate Professor: Hansen

Assistant Professors: Barnett, Biscoe, Kneipp, Veazey, Williams

Instructors: Deep, Isbell

Degrees Offered Through the Department of Psychology:

Bachelor of Science programs in: Addiction Studies; Psychology with concentrations in substance abuse and prevention specialist.

Master of Science program in: Psychology, Clinical, with concentrations in substance abuse and prevention specialist

The mission of the undergraduate programs in the Department of Psychology is to provide an educational experience that includes both a broad-based liberal arts background and educational experiences in the core areas of Psychology. The science based curriculums follow the American Psychological Association's guidelines for undergraduate training in psychology.

Psychology

Psychology Major Requirements: (39 semester hours) Students seeking a major in Psychology must complete 39 semester hours, within the 124 semester hour Psychology curriculum, which include Psychology 1010, 2430, 3010, 3020, 3080, 4030 (Senior capstone course), 4400, 4410, 4450, 4480, 4510, and six semester hours of psychology electives as approved by the advisor. Special requirements: Science 1010; Biology 1010-1011; 1020-1021 or Zoology 1220-1221; Computer 1020 or Computer Information Systems 1800 or SCSC 1810 or the equivalent. Majors may not count any grade in psychology lower than a C towards the major.

Psychology Minor Requirements: (21 semester hours) Psychology 1010, 2430, 4400, 4410, 4450, 4510, and three semester hours of Psychology electives.

Available Concentrations:

Substance Abuse (392B): (12 hours required and 3 semester hours of field experience in Mental Health Agency optional): HED 4600; SOC 4500; PSYC 4700; SOWK 4800; PSYC 4600 (optional).

Prevention Specialist (392C): (12 semester hours required and 3 semester hours of field experience in Mental Health Agency optional): HED 3000; MGT 1020, 3220; PSYC 4700; PSYC 4600 (optional).

Special Requirements for Concentrations:

1. Must be a Psychology major and complete all requirements of Psychology degree program.
2. Must have completed at least 60 hours in degree program and have a 2.5 cumulative grade point average to apply.

3. To pursue a concentration, you must break-up the elective hours and take 6 concentration elective hours for the third year and 6 concentration elective hours for the fourth year.

Out of the 36 free electives, no more than four hours of credit earned in extra-curricular activities may be applied to fulfillment of the Psychology degree requirements in order to meet the 120 hours baccalaureate degree requirements. The Bachelor of Science program is also offered through electronic delivery. See web site <http://www.nsula.edu/psych-online>.

Curriculum for Psychology (392)

FIRST YEAR	SEM. HRS.
Biology 1010-1011	4
Biology 1020-1021 or Zoology 1220-1221	4
English 1010, 1020	6
Mathematics ¹	6
Orientation 1010	1
Psychology 1010, elective	6
Science 1010	3
Social sciences ¹	3
	33

SECOND YEAR	SEM. HRS.
Computer 1020 or CIS 1800 or SCSC 1810	3
Electives	6
English literature ¹	3
English or Speech ¹	3
Fine Arts 1040	3
Health and personal fitness ¹	2
History ¹	3
Psychology 2430, 4400	6
Social sciences ¹	3
	32

THIRD YEAR	SEM. HRS.
Electives	18
Health and personal fitness ¹	2
Psychology 3010, 3020, 3080, 4450	12
	32

FOURTH YEAR	SEM. HRS.
Electives	12
Psychology 4030, 4410, 4480, 4510, elective	15
	27

Total Semester Hours for Degree: 124

Footnotes

¹ Refer to University core requirements.

Addiction Studies

Addiction Studies Major Requirements: (30 semester hours). Students seeking a major in Addiction Studies must complete 30 semester hours within the 122 semester hour Addiction Studies curriculum which include AS 1010, 2050, 2430, 2450, 3010, 3020, 4040, 4450, 4500 and 4510. Special requirements: 30 semester hours in Psychology which include PSYC 1010, 2050, 2430, 3010, 4400, 4450, 4480, 4700, and 6 semester hours of upper level Psychology electives.

Curriculum for Addiction Studies (395)

FIRST YEAR	SEM. HRS.
Addiction Studies 1010, 2050.....	6
Biology 1010-1011	4
English 1010, 1020	6
Mathematics ¹	6
Orientation 1010	1
Psychology 1010, 2050	6
Science 1010	3
	<u>32</u>

SECOND YEAR	SEM. HRS.
Addiction Studies 2430, 2450.....	6
Computer 1020.....	3
Electives ²	3
English or Speech ¹	3
Fine Arts 1040	3
Health Education 1010	2
History ¹	3
Psychology 2430, 4400	6
Social sciences ³	3
	<u>32</u>

THIRD YEAR	SEM. HRS.
Addiction Studies 3010, 3020.....	6
Biology 1020, 1021 or Zoology 1220, 1221, or Zoology 1230, 1231	4
Electives ²	6
English literature ¹	3
Health Education 1090	3
Psychology 3010, 4450, 4480.....	9
	<u>31</u>

FOURTH YEAR	SEM. HRS.
Addiction Studies 4040, 4450, 4500, 4510.....	12
Electives ²	3
Psychology 4700, elective ³	9
Social Science ¹	3
	<u>27</u>

Total Semester Hours for Degree: 122

Footnotes

¹ Refer to University core requirements.

² Twelve hours of electives are required. Ten hours must be academic electives and

2 hours may be extracurricular activities or physical education activity classes.

³ Upper level psychology electives (3000 or 4000 level).

Graduate Program

Master of Science Program in: Psychology, Clinical¹ (552)

Undergraduate preparation: 18 semester hours in Psychology including at least three semester hours from each of the following areas: statistics, test and measurements, abnormal, and experimental.

Special requirements for a major: Psychology 5100, 5120, 5200, 5250, 5251 (6 hours), 5300, 5320, 5400, 5500 (6 hours), 5750, 5980 (6 hours), 5780, 6000–a minimum of 48 semester hours.

¹ In correcting deficiencies, only credits earned with a minimum grade of B will be accepted.

Available Concentrations:

Substance Abuse (552B): (12 hours required and 3 semester hours of field experience in Mental Health Agency optional): HED 4600; SOC 4500; PSYC 4700; SOWK 4800; PSYC 4600 (optional).

Prevention Specialist (552C): (12 semester hours required and 3 semester hours of field experience in Mental Health Agency optional): HED 3000; MGT 1020, 3220; PSYC 4700; PSYC 4600 (optional).

Special Requirements for Concentrations:

1. Must be receiving a degree in Clinical Psychology.
2. Must have a grade point average of at least 3.0.
3. Must be taking the required concentration courses in addition to the 48 semester hours required for the Clinical Psychology degree.

SCHOOL OF SOCIAL SCIENCES

Director: Kathleen Byrd, *Professor*

Coordinator of Criminal Justice: Joe Morris, *Associate Professor*

Coordinator of Social Sciences: Greg Granger, *Associate Professor*

Professors: Byrd, Gregory, LeBreton

Associate Professors: Aichinger, Price, K. Smith

Assistant Professors: Avery, Dollar, Fagan, Fageir, Girard, Hailey, Hare, Hillebrand, Housel, Kyle, Lee, Sinclair, J. Smith, Snyder, Thompson

Affiliated Faculty: Ferrell

Degrees Offered Through the School of Social Sciences:

Associate of Arts program in: Criminal Justice
Bachelor of Arts programs in: Anthropology; Criminal Justice; History; Political Science; Social Sciences, General; Sociology with a concentration in: applied sociology

Pre-professional Program Offered Through the School of Social Sciences:

Pre-Law

Anthropology

Anthropology Major Requirements: (33 semester hours)
Students seeking a major in Anthropology must complete 33 semester hours within the 124 semester hour Anthropology curriculum, which include Anthropology 2010, 2020, 3020, 3050, 4080, and 18 additional semester hours in Anthropology.

Anthropology Minor Requirements: (21 semester hours)
Anthropology 2010, 2020, and 15 additional semester hours in Anthropology.

Curriculum for Anthropology (251)

FIRST YEAR	SEM. HRS.
Anthropology 2010, 2020	6
Biology 1010-1011, 1020-1021	8
English 1010, 1020	6
Health & personal fitness ¹	4
Mathematics ^{1,2}	6
Orientation 1010	1
	31

SECOND YEAR	SEM. HRS.
Computer	3
Anthropology 3020	3
Anthropology elective	3
English or speech ¹	3
Fine Arts 1040	3
Foreign Language ³	6
Geography 2010	3
History ¹	3
Science ¹	3
	30

THIRD YEAR	SEM. HRS.
Anthropology 4080	3
Anthropology electives	9
Electives ^{3,4}	18
Psychology 1010	3
	33

FOURTH YEAR	SEM. HRS.
Anthropology 3050	3
Anthropology electives	6
Electives ¹	18
English literature ¹	3
	30

Total Semester Hours for Degree: 124

Footnotes:

- ¹ Must meet University core requirements.
- ² Students who plan to specialize in archeology, physical anthropology or pursue a graduate degree in anthropology should take Mathematics 1020 and 1090.
- ³ Electives must be chosen so as to complete a minor as defined by the department concerned.
- ⁴ Excluding anthropology.
- ⁵ All six semester hours must be in the same foreign language-1010, 1020.

Criminal Justice

Criminal Justice Major Requirements: (36 semester hours)
Students seeking a major in Criminal Justice must complete 36 semester hours within the 125 semester hour Criminal Justice curriculum, which include Criminal Justice 1100, 2300, 2400, 2500, 3350, 3360, 3370, 4450, 4460; Sociology 3040, 3090, 4500.

Criminal Justice Minor Requirements: (21 semester hours)
Criminal Justice 1100, 2300, 2400, 2500 and nine semester hours of advanced criminal justice.

Curriculum for Criminal Justice (250)

FIRST YEAR	SEM. HRS.
Criminal Justice 1100	3
Electives	3
English 1010, 1020	6
Fine Arts 1040	3
Mathematics ¹	6
Orientation 1010	1
Science ¹	6
Sociology 1010	3
	31

SECOND YEAR	SEM. HRS.
Criminal Justice 2300, 2400, 2500	9
Electives	6
English ¹	3
Health and personal fitness ¹	4
Political Science 2010	3
Psychology 1010	3
Science ¹	3
	31

THIRD YEAR	SEM. HRS.
Criminal Justice 3350, 3370, 4450	9
English 3230	3
Foreign language ²	6
History ¹	3
Psychology 2450	3
Sociology 3040, 4250	6
	30

FOURTH YEAR	SEM. HRS.
Criminal Justice 3360, 4460, 4480, 4500	10
Electives	8
English or speech ¹	3
Political Science 3090	3
Sociology 3090, 3200, 4080	9
	33

Total Semester Hours for Degree: 125

Footnotes:

¹ Must meet university core requirements.

² All six semester hours must be in the same foreign language.

Associate of Arts

Curriculum for Criminal Justice (735)

FIRST YEAR	SEM. HRS.
Criminal Justice 1100, 2160	6
English 1010, 1020	6
Fine Arts 1040	3
History 2020	3
Mathematics ¹	6
Orientation 1010	1
Psychology 1010	3
Sociology 1010	3
	31

SECOND YEAR	SEM. HRS.
Criminal Justice 2300, 2400, 2500	9
Electives ^{1,4}	5
English literature ²	3
Sociology 2020	3
Political Science 2010	3
Psychology 2450	3
Science ¹	6
	32

Total Semester Hours for Degree: 63

Footnotes:

¹ Six hours of mathematics and six hours of science as prescribed in the university core requirements for the baccalaureate degree.

² Must meet university core requirements (English 2050, 2060, 2070, or 2080).

³ Students interested in pursuing a Bachelor of Arts degree may want to consider taking six hours of foreign language for six hours of electives.

⁴ Students who plan to continue for a baccalaureate degree in Criminal Justice should take two hours of health and personal fitness electives selected from the university core requirements.

Historic Preservation Minor

Historic Preservation Minor Requirements: (18 semester hours) Historic Preservation 3150, 3160, 3500, 4200, 4300, three hours selected from 4500, 4900 or any upper level course in Historic Preservation.

History

History Major Requirements: (36 semester hours) Students seeking a major in History must complete 36 semester hours within the 124 semester hour History curriculum, which include History 1010, 1020, 2010, 2020, 3990, and 21 semester hours of advanced European and American history courses, nine of which must be in one field and 12 in the other.

History Minor Requirements: (21 semester hours) History 1010, 1020, 2010, 2020 and nine hours of advanced history.

Curriculum for History (261)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Geography 1010 or 1020	3
History 1010, 1020	6
Mathematics ¹	6
Orientation 1010	1
Science ¹	6
Social sciences ²	3
	31

SECOND YEAR	SEM. HRS.
Elective ¹	6
English literature ¹	3
English or speech ¹	3
Foreign language ¹	6
Health and personal fitness ¹	4
History 2010, 2020	6
Science ¹	3
	31

THIRD YEAR	SEM. HRS.
Fine Arts 1040	3
Electives ³	15
History 3990	3
History electives	9
	30

FOURTH YEAR	SEM. HRS.
Elective ¹	20
History electives	12
	32

Total Semester Hours for Degree: 124

Footnotes:

¹ Must meet University core requirements.

² Excluding history.

³ The electives must be chosen so as to complete a minor as defined by the department concerned.

⁴ All six semester hours must be in the same foreign language-1010, 1020.

Philosophy Minor

Philosophy Minor Requirements: Philosophy 1010, 2030, one course in the history of ancient philosophy (SPHI 2830 or 2840 or 2850), one course in the history of modern philosophy (SPHI 3810 or 3820 or 3830), and four additional hours of philosophy with the PHIL or SPhi prefix. All required history of philosophy courses are offered through the Scholars' College.

Political Science

Political Science Major Requirements: (33 semester hours)
Students seeking a major in Political Science must complete 33 semester hours within the 125 semester hour Political Science curriculum, which include Political Science 2010, 2020, 2910, 3090, 4150, and 18 semester hours of Political Science electives with at least six semester hours each in American studies and in international studies.

Political Science Minor Requirements: (21 semester hours)
Political Science 2010, 2020, 2910, and 12 semester hours selected from advanced Political Science courses.

Curriculum for Political Science (254)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Health and personal fitness ¹	4
History 1020, 2010	6
Mathematics ¹	6
Orientation 1010	1
Political Science 2010, 2020	6
Science ¹	3
	<u>32</u>

SECOND YEAR	SEM. HRS.
Economics 2000	3
Electives ²	12
Foreign language ³	6
Geography 1020	3
Political Science 2910	3
Political science electives	3
	<u>30</u>

THIRD YEAR	SEM. HRS.
Electives ²	12
English literature ¹	3
Fine Arts 1040	3
Political Science 3090, 4150	6
Science ¹	6
	<u>30</u>

FOURTH YEAR	SEM. HRS.
Electives ²	12
English or speech ¹	3
Political science ¹	15
Psychology 1010	3
	<u>33</u>

Total Semester Hours for Degree: 125

Footnotes:

- ¹ Must meet University core requirements.
- ² Electives must be chosen so as to complete a minor as defined by the department concerned.
- ³ At least six semester hours in American Studies (for example: 3020, 3030, 3040, 3050, 3060, 4190), and six semester hours in International Studies (for example: 4010, 4060, 4070, 4080, 4090). An additional three hours may be selected from either group.
- ⁴ All six semester hours must be in the same foreign language: French, Spanish, or German -1010, 1020.

Social Sciences, General

Social Sciences Major Requirements: (39 semester hours)
Students seeking a major in Social Sciences must complete 39 semester hours within the 122 semester hour Social Sciences curriculum, which include anthropology, economics, geography, history, philosophy, political science, psychology, sociology, and social studies with a minimum of 21 semester hours in one discipline and 18 semester hours in a second discipline.

Note: This degree requires a minor as defined by the department concerned. The disciplines selected for the Social Sciences major cannot be used to fulfill the minor.

Social Sciences Minor Requirements: (27 semester hours) 27 semester hours in the social sciences, with six semester hours in one field of the social sciences and nine semester hours at the 3000 level or above.

Curriculum for Social Sciences, General (255)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Fine Arts 1040	3
Health and personal fitness ¹	2
Mathematics ¹	6
Orientation 1010	1
Psychology 1010	3
Science ¹	3
Social sciences ¹	6
	<u>30</u>

SECOND YEAR	SEM. HRS.
Electives ²	3
English literature ¹	6
Foreign language ³	6
Science ¹	3
Social sciences ¹	9
Speech 1010	3
	<u>30</u>

THIRD YEAR	SEM. HRS.
Electives ²	12
Health and personal fitness ¹	2
History ¹	3
Science ¹	3
Social sciences ¹	12
	<u>32</u>

FOURTH YEAR	SEM. HRS.
Electives ²	18
Social sciences ¹	12
	<u>30</u>

Total Semester Hours for Degree: 122

Footnotes:

- ¹ Must meet University core requirements.
- ² Electives must be chosen so as to complete a minor as defined by the department concerned.
- ³ All six semester hours must be in the same foreign language - 1010, 1020.

Sociology

Sociology Major Requirements: (34 semester hours) Students seeking a major in Sociology must complete 34 semester hours within the 123 semester hour Sociology curriculum, which include Sociology 1010, 2020, 3200, 3040, 3050, 4080, 4120, 4190, 4400, 4600 and six semester hours of sociology electives, three of which may be anthropology.

Sociology Minor Requirements: (21 semester hours) Sociology 1010, 2020, 3050, 4400, and nine hours selected from sociology including, if desired, not more than three hours in anthropology.

Available Concentration:

Applied Sociology: (37 semester hours) Sociology 1010, 2020, 3040, 3050, 3200, 4100 (six hours), 4080, 4190, 4400, 4600 and six hours of sociology electives, one of which may be anthropology. Criminal Justice 1100 and 2300 are required support courses.

Students must meet the following criteria for admission to the applied sociology concentration:

1. Must have completed the first two years of the sociology curriculum.
2. Must have a GPA of 2.5 in all sociology courses taken in the first two years of the sociology curriculum.
3. Must have a 2.0 GPA or above in English 1010, 1020, and a GPA of 2.0 or above in the mathematics core.
4. Must submit an application to the coordinator of the concentration.

Criteria for dismissal from the applied concentration in sociology:

Students may be terminated from the applied concentration for any of the following reasons:

1. A GPA below 2.0 in any semester.
2. Any violation of the code of ethics of the following organizations:
 The American Sociological Association
 The Society for Applied Sociology
 The American Academy of Professional Sociological Practitioners
3. Dismissal from Northwestern State University as provided by the Student Handbook and University Catalog.

Curriculum for Sociology (272)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Health and personal fitness ¹	2
Mathematics ¹	6
Orientation 1010	1
Psychology 1010	3
Science 1010, 1020	6
Social sciences ¹	3
Sociology 1010	3
	<u>30</u>

SECOND YEAR	SEM. HRS.
Electives ²	6
English literature ¹	3
Fine Arts 1040	3
Foreign language ¹	6
Science ¹	3
Social sciences ¹	3
Sociology 2020, 3040	6
	<u>30</u>

THIRD YEAR	SEM. HRS.
Elective ²	9
English or speech ¹	3
History ¹	3
Health and personal fitness ¹	2
Sociology 3050, 3200, 4080, 4120, elective	15
	<u>32</u>

FOURTH YEAR	SEM. HRS.
Electives ²	21
Sociology 4190, 4400, 4600	7
Sociology or anthropology	3
	<u>31</u>

Total Semester Hours for Degree: 123

Footnotes:

¹ Must meet University core requirements.

² Electives must be chosen so as to complete a minor as defined by the department concerned.

³ Six hours must be in the same foreign language – 1010, 1020.

Pre-professional Program

Pre-law (254B)

All students who expect to enter law school after attending NSU should maintain contact with the pre-law advisor in the Department of Social Sciences, regardless of their majors and in addition to any other advisors. Since a high level of undergraduate academic performance is necessary for admission to law school, the pre-law advisor is prepared to offer special information and counseling to students and will work with the student's advisor and dean in these respects. Students who desire to enter law school may do so by completing any appropriate curriculum. The pre-law advisor will furnish information about majors, minors, and courses which are acceptable to and/or required by law schools.

DEPARTMENT OF SOCIAL WORK

Department Head: Claudia Triche, *Professor*

Associate Professor: Tyler

Assistant Professors: Haley, Laske, Pierce-Cruise, Powell

Instructors: Clark, Feldt

Degree Offered Through the Department of Social Work:

Bachelor of Social Work

Social Work

Admission to the Social Work Professional Program

The social work program is fully accredited at the baccalaureate level by the Council on Social Work Education, 1725 Duke Street, Suite 500, Alexandria, Virginia 22314-3457, (703) 683-8080, email accred@cswe.org, CSWE online www.cswe.org.

This program prepares the student for beginning generalist social work practice.

Students must meet the following criteria for admission to the Social Work professional program:

1. Completion of all courses in the pre-professional curriculum.
2. A cumulative grade point average of 2.5 or above.
3. A minimum grade of C or above in Social Work 2090, 2100, and English 1010 and 1020.
4. Adherence to the values and the ethics of the social work profession.
5. Submission and approval of an Application for Admission to the Social Work Professional Program prior to the pre-registration period for the next regular fall or spring semester.

Social Work Major Requirements: (48 semester hours) Students seeking a major in Social Work must complete 48 semester hours within the 122 semester hour Social Work curriculum, which include Social Work 2090, 2100, 3030, 3040, 3120, 3130, 3140, 3180, 4030, 4040, 4190 (12), 4350, 4450.

Under no circumstances are academic credits to be awarded in Social Work courses for life or work experiences.

Curriculum for Social Work (274)

FIRST YEAR	SEM. HRS.
Computer 1020	3
English 1010, 1020	6
Health and personal fitness ¹	4
Mathematics ¹	6
Orientation 1010	1
Psychology 1010	3
Science 1010, 1020	6
Sociology 1010	3
	32

SECOND YEAR	SEM. HRS.
Economics 2010	3
English literature ¹	3
English ¹ or Speech 1010	3
Foreign language ²	6
History 2010, 2020	6
Political Science 2010, 2020	6
Science 2020	3
Social Work 2090, 2100	6
	36

THIRD YEAR	SEM. HRS.
Electives	6
Fine Arts 1040	3
Social Work 3030, 3040, 3120 ³ , 3130 ³ , 3180, 4350, 4450	21
	30

FOURTH YEAR	SEM. HRS.
Electives	3
Social Work 3140 ³ , 4030, 4040, 4190 ³	21
	24

Total Semester Hours for Degree: 122

Footnotes:

- 1 Must meet university core requirements.
- 2 All six semester hours must be in the same foreign language.
- 3 May be taken concurrently at six semester hours credit per semester for two semesters or in a one semester concurrent placement of twelve semester hours credit.
- 4 Must earn at least a C to be used as a prerequisite for next course.

Criteria for Dismissal from the Social Work Program

Dismissal from the social work program can be for both academic and nonacademic reasons, including but not limited to:

1. Failure to earn at least a C when repeating or enrolling for the second time in the same required social work course.
2. Failure to maintain an overall 2.5 average for two consecutive semesters.
3. Academic cheating or plagiarism.
4. The unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.
5. Illegal possession of weapons.
6. Conviction of a felony.
7. Serious violations, as determined by the social work program faculty, of the NASW Code of Ethics.

Appeals

All decisions leading to dismissal from the social work program are subject to appeal following the procedures established by Northwestern State University.

COLLEGE OF NURSING

1800 Line Avenue, Shreveport, LA 71101
318-677-3100

Dean: Norann Planchock, *Professor*

Professors: Cook, Sayles

Associate Professors: Bitowski, Cashio, Himaya, Hubbard, M. Johnson, Pierce, Porterfield, Webb

Assistant Professors: Arterberry, Bailey, B. Barnett, M. Barnett, Baggett-Woodard, Beard, Britt, Brown, Carter, Carwile, Clark, Copple, Curry, Darfus, Deshotels, Dockendorf, George, Girdley, Greuter, Hartt, Hernandez, Kelly, Kevil, Kreideweis, Landry, Long, Martin, McDonald, Middlebrooks, Moody, Moore, Nichols, Parker, Rachal, Shelton, Singh, Smith-Pedersen, Walker, Whitton, Wissing
Instructors: DeLacerda, Haynes, Lambrecht

Mission of the College of Nursing

Northwestern State University Nursing improves the health of people in Louisiana and advances the mission of Northwestern State University through excellence in accessible undergraduate, graduate, and continuing education programs that are designed to assist individuals in achieving their professional goals as responsible and contributing members of a chosen profession and of society.

Degrees Offered Through the College of Nursing

Associate Degree in Nursing

Bachelor of Science in Nursing

Bachelor of Science program in: Radiologic Technology

Master of Science in Nursing

UNDERGRADUATE STUDIES IN NURSING

Accreditation

The Associate Degree in Nursing and the Bachelor of Science in Nursing programs at NSU have full approval from the Louisiana State Board of Nursing, 3510 North Causeway Boulevard, Suite 501, Metairie, LA 70002, telephone number 504-838-5332, and the Associate Degree in Nursing Program is accredited by the National League for Nursing Accrediting Commission (NLNAC), 61 Broadway, New York, NY 10006, telephone number 800-669-1656, www.NLNAC.org. The Bachelor of Science in Nursing Program is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036, telephone number 202-887-6791.

Comparative information regarding tuition, fees and length of nursing programs in this geographical area is available from the National League for Nursing, 350 Hudson Street, New York, NY 10014, telephone number 1-800-669-1656.

Special Admission, Progression, Dismissal and Graduation Policies

Students who indicate the Bachelor of Science in Nursing or Associate Degree in Nursing program as a major must meet University admission requirements and comply with academic regulations and policies. The student who has been denied progression in courses or dismissed from another nursing program will be evaluated on an individual basis.

A student who (1) has ever been arrested, charged with, convicted of, pled guilty or no contest to, or adjudged a juvenile delinquent, for any criminal offense in any state and/or (2) has any disciplinary action against them from any licensing/

certifying board in any state and/or (3) has habitually used or been diagnosed as addicted to drugs or alcohol within the last five years and/or (4) has any physical or mental impairment which may affect one's ability to practice safely as a registered nurse **MUST** receive approval from the Louisiana State Board of Nursing (telephone: 504-838-5332) before progression in this program. Failure to disclose this information may result in denial of licensure.

If a student is admitted to the clinical sequence of the program, any subsequent disciplinary action, arrest, criminal charge or conviction, addiction, or impairment shall also be reported immediately to the Director for Undergraduate Studies in Nursing and to the Louisiana State Board of Nursing. All required documents shall be forwarded to the Board for evaluation in determining the student's eligibility to continue in the clinical sequence of the program.

The following statements relating to admission, progression, and dismissal are consistent with policies of the University.

Special Admission Requirements for the University

The prospective student must submit the following materials at least nine weeks before registration to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, LA 71497-0002:

1. An Application for Admission with appropriate fee.
2. Official transcripts from all universities attended to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, Louisiana 71497-0002 and to the College of Nursing, 1800 Line Avenue, Shreveport, Louisiana 71101-4653.
3. All freshmen and transfer applicants with fewer than three credits in English composition and three credits in college mathematics beyond the developmental level must submit scores from the ACT assessment.

Enrollment in Nursing Courses

Admission to the University does not guarantee enrollment in nursing courses. Selection for enrollment in nursing courses is on a competitive basis for available spaces.

Students must meet the following minimum criteria to be considered for selection for enrollment in nursing courses:

1. Admission to the University and submission of all official transcripts to the University Registrar and Admissions Office on the Natchitoches campus.
2. A cumulative grade point average of 2.0 or above.
3. A minimum grade of C or above in all required zoology, microbiology, chemistry, and mathematics and nursing courses.

4. Completion of pre-requisite general academic courses toward the degree.
 - a. ADN Program—first semester of curriculum pattern.
 - b. BSN Program—first three semesters of curriculum pattern.
5. Minimum grade point average of 2.7 in general academic courses completed that are required for degree excluding electives.
6. Completion of required entrance examinations for nursing.
7. Completion of an Application to Enroll in Clinical Nursing Courses form which includes:
 - a. Copy of scores on required entrance examinations for nursing.
 - b. Verification of licensure as a health care provider (if applicable).
 - c. Response to any requests of Waiver of Policy (if applicable).
 - d. Final order of the Louisiana State Board of Nursing (if applicable).
8. Completion of required criteria and submission of completed Application to enroll in Clinical Nursing Courses in the Office of the Director for Undergraduate Studies in Nursing by certified mail no later than the following deadlines:
 - a. Fall enrollment—May 31
 - b. Spring enrollment—August 31
9. An application is valid for one semester only.
10. No application will be accepted after the designated deadline.

Selection for Enrollment in Nursing Courses

Admission to the University does not guarantee enrollment in nursing courses. Applicants who submit a completed application to enroll in clinical nursing courses will be selected for admission on a competitive basis according to the following variables:

1. Grade point average in general academic courses required for the degree excluding elective hours.
2. Pattern of repeated pre-requisite general academic courses required for the degree.
3. Entrance examination scores.
4. Number of general academic credit hours required for the degree completed at Northwestern.
5. Completion of a baccalaureate or higher degree and/or licensure in the health care system.

Additional Information:

Students admitted to the first clinical nursing course must submit a completed Undergraduate Studies in Nursing Health Form within four weeks following registration. These forms will be mailed to applicants with notification of acceptance for enrollment in nursing courses. The physical examination and laboratory tests can be conducted no earlier than six weeks prior to registration. Repeat health forms are required every year thereafter.

Criteria for Progression in Undergraduate Studies in Nursing

1. Complete pre and co-requisites for courses outlined in the curriculum pattern.
2. Earn at least a 2.0 GPA on courses outlined in the curriculum pattern.

3. Earn a minimum grade of C in all required zoology, microbiology, chemistry, and mathematics courses.
4. Earn a minimum grade of C in all required nursing courses before progressing to the next required nursing course(s).
5. A nursing course may be repeated one time only. A maximum of two different nursing courses may be repeated, including those dropped with a W or W+ grade.
6. A student repeating a nursing course must concurrently enroll in the corequisite nursing course. Re-enrolling in co-requisite course in which the student had previously received a passing grade will not be counted as repeated nursing hours for the dismissal policy. The most current grade earned will be the grade for the course.

Criteria for Dismissal from Undergraduate Studies in Nursing

A student is subject to dismissal from Undergraduate Studies in Nursing for the following reasons:

1. Failure to achieve at least a C when repeating or enrolling for the second time in the same required nursing course.
2. Failure of more than 2 required nursing courses.
3. The need to enroll in the same required nursing course more than two times.
4. Participation in academic cheating and/or unauthorized possession of an examination.
5. Plagiarism.
6. Falsification of patient and/or agency records.
7. The unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.
8. Illegal possession of weapons.
9. Theft.
10. Lack of professional compatibility or unsafe clinical practice as identified by the Undergraduate Studies in Nursing faculty.

Criteria for Graduation

Criteria for graduation from the Undergraduate Studies in Nursing are:

1. Complete the University requirements for graduation.
2. Complete the approved curriculum within a four year period after enrollment in the first clinical nursing course.
3. A minimum grade of "C" in all required zoology, microbiology, chemistry, mathematics, and nursing courses.
4. ADN students must complete at least 12 hours of general academic courses, excluding orientation and developmental education courses, at NSU.

Requests for Waiver of Policies

1. Forms for Request for Waiver of the Admission, Progression and Dismissal Policies should be submitted to:

Northwestern State University
Director for Undergraduate Studies in Nursing
1800 Line Avenue
Shreveport, LA 71101-4653

A committee will review the request for waiver and make recommendations to the Director. The student will receive written notification regarding the decision.

Forms pertaining to admission, progression and dismissal policies can be obtained from any of the following College of Nursing offices:

Northwestern State University
College of Nursing
Natchitoches, LA 71497-0002
(318) 357-6776

Northwestern State University
College of Nursing
1800 Line Avenue
Shreveport, LA 71101-4653
(318) 677-3015

Northwestern State University/CENLA
College of Nursing
England Industrial Airpark
P.O. Box 7311
Alexandria, LA 71306
(318) 487-5298

Northwestern State University/Leesville
College of Nursing
3329 University Parkway
Leesville, LA 71446
(318) 238-6420

2. Grade Appeal or University Suspension Appeal—refer to University Academic Regulations and Policies in the University Catalog.

Transfer Credit in Nursing Courses

A transfer student may request credit for selective nursing courses based on the following criteria:

1. Successful completion of the course at another nursing program which is accredited by the National League for Nursing Accrediting Commission and/or CCNE.
2. Review of the course syllabus and approval by the Director for Undergraduate Studies in Nursing. A student who does not receive transfer credit may request to write a credit examination or enroll in the course. Transfer students must meet residency requirements.

Credit Examination in Nursing Courses

The College of Nursing faculty believe that there are many potential avenues for the acquisition of knowledge, attitudes and skills which are required for practice as an RN. In keeping with this philosophy, the faculty believes that student experiences in a formal educational environment should build on the student's present level of achievement. Therefore, the faculty subscribe to the principles of validation of the candidate's competencies and the awarding of credit based upon satisfactory achievements on examination.

The candidate is allowed to matriculate in the curriculum pattern at a level appropriate to demonstrated achievement. All courses at and above the designated level of entry must be taken in residence.

1. The student must meet the requirements of the University to write credit examinations.
2. The student must meet with a faculty advisor to determine eligibility to write a credit examination and to secure information about preparation materials and testing dates.

3. The graduate of a practical nurse program may not write credit examinations in any nursing course until passing the NCLEX-PN.
4. The student requesting to write a credit examination must register for the specific credit examination in addition to other enrollment at registration.
5. Credit examinations for laboratory/clinical courses have a written and practical component. The student is required to achieve a passing score on the written component to be eligible to take the practical component. The student must achieve a passing score on both the written and practical components in order to achieve credit for the course.

Articulation Programs—for Licensed Practical Nurses (LPN)

The purpose of the articulation plans within the College of Nursing is to facilitate the upward progression of students in nursing curricula.

As validation of knowledge and skills, all prospective students must be actively involved in nursing practice and possess a current, unencumbered license to practice nursing (LPN). Applicants should schedule an appointment with a faculty advisor for planning.

LPN to ADN

1. The LPN who has successfully completed a state approved PN/VN program and has worked full time in nursing practice for one year must meet the same admission criteria as the generic student with the exception of completing Nursing 1050. This student must enroll in and successfully complete the Nursing 1060 Transition to Technical Nursing Course.
2. Upon successful completion of Nursing 1060, 2100, and 2110, 14 credit hours in nursing will be awarded for the following nursing courses: 1100 - 4 credit hours; 1110 - 3 credit hours; 1500 - 4 credit hours; 1510 - 3 credit hours, and 1060 will substitute for 1050.

LPN to BSN

The LPN who has completed a state approved PN/VN program, has worked full time for one year in nursing and is able to validate safe knowledge of the content and skills required to pass Nursing 3040/3041 may be awarded five credit hours for Nursing 3040/3041 within the BSN curriculum. These credit hours will be awarded upon successful completion of Nursing 3030, 3031, 3050, 3060, and 3061.

Bachelor of Science in Nursing (BSN)

Nursing Major Requirements: (58 semester hours) Students seeking a major in Nursing must complete 58 semester hours, within the 122 semester hour Nursing curriculum, which include Nursing 2160, 2170, 3030, 3031, 3040, 3041, 3050, 3060, 3061, 3120, 3130, 3131, 3141, 3150, 3220, 3221, 3230, 3231, 4100, 4120, 4121, 4130, 4131, 4220, 4221, 4230, and 4231.

Curriculum for the Bachelor of Science in Nursing (410)

FIRST YEAR	SEM. HRS.
Chemistry 1070, 1080, 1091	7
English 1010, 1020	6
Health Education 1010	2
History ¹	3
Mathematics 1020, 1060	6
Orientation 1010	1
Psychology 1010	3
Speech 1010	3
Zoology 1220-1221	4
	35

SECOND YEAR	SEM. HRS.
Nutrition 1030	3
Microbiology 2060-2061	4
Nursing 2160, 2170, 3030, 3031 ¹ , 3040 ¹ , 3041 ¹ , 3050, 3060 ¹ , 3061 ¹	17
Psychology 2050	3
Zoology 1230-1231	4
	31

THIRD YEAR	SEM. HRS.
English literature ²	3
Economics 2010	3
Psychology 4400	3
Nursing 3120, 3130, 3131, 3141, 3150, 3220, 3221, 3230, 3231	20
	29

FOURTH YEAR	SEM. HRS.
Electives	3
Nursing 4100, 4120, 4121, 4130, 4131, 4220, 4221, 4230, 4231	21
Fine Arts 1040	3
	27

Total Semester Hours for Degree: 122

Footnotes:

¹ Selected from History 1010, 1020, 2010, or 2020.

² Selected from English 2050, 2060, 2070, or 2080.

³ Before entering nursing courses, student must meet all criteria listed in the special admission policies listed in the University Catalog.

Associate Degree in Nursing (ADN)

Curriculum for the Associate Degree in Nursing (420)

FIRST YEAR	SEM. HRS.
Chemistry 1070	3
English 1010, 1020	6
Mathematics 1020, 1060	6
Nursing 1050 ¹ , 1100 ² , 1110 ²	8
Orientation 1010	1
Speech 1010	3
Zoology 1220, 1230	6
	33

SECOND YEAR	SEM. HRS.
Microbiology 1100	3
Nursing 1500, 1510, 2100, 2110	16
Psychology 2050	3
Sociology 1010	3
	25

THIRD YEAR	SEM. HRS.
(One Semester)	
Nursing 2500, 2510, 2550	11
Fine Arts 1040	3
	14

Total Semester Hours for Degree: 72

Footnotes:

¹ Nursing 1060 is required for LPN to ADN student in place of Nursing 1050.

² Before enrolling in the clinical sequence of nursing courses, students must meet criteria listed in the Special Admission, Progression, Dismissal and Graduation Policies and be accepted into the clinical sequence.

Non-Traditional Studies—RN to BSN Program Degree

The College of Nursing at Northwestern State University offers an individualized plan for learning to assist registered nurses who are pursuing a Bachelor of Science Degree in Nursing.

This individualized plan of learning has been developed to offer flexibility to meet the registered nurse students' needs.

This plan offers the opportunity for the student to complete upper division nursing courses after the completion of general academics. The student has the opportunity to earn credit without enrollment in 29 hours of nursing courses.

Credit in Nursing Courses

Credit in nursing courses is awarded upon satisfactory completion of the following requirements.

1. Graduates in NLN accredited programs will be awarded credit in Nursing 2170, 3040, 3031, 3041, 3150, 3130, 3131, 3141, 3230, 3231, 3220, 3221, 4130, 4131 following the satisfactory completion of Nursing 3122, 3120, 3223, 3224, 3225, 4190 and 4191.
2. Graduates of programs that are not NLN accredited will be required to successfully write comprehensive examinations in order to receive credit for Nursing 2170, 3040, 3031, 3041, 3130, 3150, 3131, 3141, 3230, 3231, 3220, 3221, 4130, and 4131. Study guides are available for preparation.

Admission Requirements

1. One year of practice as a registered nurse prior to enrolling in clinical nursing courses.
2. Current unencumbered license to practice nursing in Louisiana and/or the state(s) in which each clinical site is located.
3. Current professional certification in CPR.
4. Evidence of Personal Professional liability insurance.

Admission Procedure

1. Contact a non-traditional studies in Nursing faculty advisor for initial planning.
2. Submit a completed application of admission to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, LA 71497-0002, before registration. Forms are available in the Nursing Office and online at the NSU web site.
3. Submit official transcripts from all colleges attended to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, LA 71497-0002 and to the College of Nursing, 1800 Line Avenue, Shreveport, LA 71101-4663.

Web Based Program

This program allows registered nurse students to complete theory and clinical degree requirements in their own community. All nursing courses are offered via the Internet.

RN to Bachelor of Science in Nursing (BSN)

Nursing Major Requirements: (61 semester hours) of the 122 semester hours in the Nursing curriculum. These hours include Nursing 3122, 3120, 3050, 3223, 3224, 3225, 4190, 4191, 4290, and 4291.

Curriculum for the RN to Bachelor of Science in Nursing (410A)

FIRST YEAR	SEM. HRS.
Chemistry 1070, 1080, 1091	7
English 1010, 1020	6
Mathematics 1020, 1060	6
Orientation 1010	1
Psychology 1010	3
Speech 1010	3
Zoology 1220-1221, 1230-1231	8
	34

SECOND YEAR	SEM. HRS.
English literature ²	3
Health Education 1010	2
History ¹	3
Microbiology 2060-2061	4
Nursing 2170, 3031, 3040, 3041, 3130, 3131, 3150	14
Nutrition 1030	3
Psychology 2050	3
	32

THIRD YEAR	SEM. HRS.
Nursing 3050, 3120, 3122, 3141, 3220, 3221, 3223, 3224, 3225, 3230, 3231	28
Psychology 4400	3
	31

FOURTH YEAR	SEM. HRS.
Fine Arts 1040	3
Nursing 4130, 4131, 4190, 4191, 4290, 4291	19
Social sciences ³	3
	25

Total Semester Hours for Degree: 122

Footnotes:

¹ Selected from History 1010, 1020, 2010, or 2020.

² Selected from History 2050, 2060, 2070, or 2080.

³ Selected from Anthropology 1510 or 2010; Economics 2000 or 2010; Geography 1010 or 1020; History 1010, 1020, 2010, or 2020; Philosophy 1010 or 1020; Political Science 2010 or 2020; Sociology 1010.

Graduate Program

Master of Science in Nursing (546)

Graduate Studies and Research in Nursing offers a curriculum leading to the Master of Science in Nursing degree. Learning opportunities are provided for baccalaureate nursing graduates to extend their knowledge and skills in clinical nursing and to develop a functional role in clinical nurse specialist, nursing education, nursing administration, or nurse practitioner in health care delivery systems. The clinical concentrations of study include: Acute Care Nurse Practitioner, Adult Nursing, Critical Care Nursing of the Adult, Maternal-Child and

Family Nursing, Mental Health/Psychiatric Nursing, Family Nurse Practitioner, Neonatal Nurse Practitioner, Pediatric Nurse Practitioner, Women's Health Nurse Practitioner. Graduate education in nursing builds upon the base of baccalaureate education in nursing and upon experiential professional knowledge, attitudes, and skills, and is concerned with the educational preparation of nurses in advanced roles who can make significant contributions to the improvement of health care and to the advancement of nursing knowledge and practice.

The Master of Science in Nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE). Advanced Education Nursing Traineeships are usually available as well as research/teaching graduate nursing assistantships. Information can be obtained from the College of Nursing.

Program Requirements

Undergraduate preparation for the major: the Bachelor of Science in Nursing from a nationally accredited program of nursing. Prerequisites for admission: an undergraduate course in basic statistics and physical assessment and evidence of Louisiana Registered Nurse licensure.

Graduate preparation: Completion of the Master of Science in Nursing requires a minimum of 39-42 semester credits. A thesis or research problem and satisfactory ratings on a comprehensive examination are included in the requirements. Full or part-time study is available.

- A. Core (12 hours): Nursing 5010, 5100, 5120 and 5280 or Psychology 5750 for Mental Health/Psychiatric Nursing concentration.
- B. Area of Clinical Concentration (six - nine hours):
 1. Adult Nursing (Nursing 5040, 5050).
 2. Critical Care Nursing of the Adult (Nursing 5150, 5160).
 3. Family Nurse Practitioner (Nursing 5770, 5780, 5790).
 4. Maternal Child and Family Nursing (Nursing 5310, 5320).
 5. Mental Health-Psychiatric Nursing (Nursing 5500, 5510).
 6. Pediatric Nurse Practitioner (Nursing 5850, 5860, 5870).
 7. Women's Health Nurse Practitioner (Nursing 5330, 5340, 5350).
 8. Acute Care Nurse Practitioner (Nursing 5410, 5420, 5430).
 9. Neonatal Nurse Practitioner (Nursing 5650, 5660, 5670).
- C. Functional Role Concentrations: (9-18 semester hours)
 1. Administration (Nursing 5110, 5140, 5210).
 2. Clinical Nurse Specialist (Nursing 5700, 5710, 5400, 5170, 5190).
 3. Education (Nursing 5060, 5070, 5090).
 4. Nurse Practitioner (Nursing 5260, 5270, 5700, 5710, 5810, 5820, 5830, 5840, and one of the following: 5360 or 5440 or 5800, or 5880). Exception: For the Neonatal Nursing Practitioner (Nursing 5260, 5270, 5630, 5640, 5810, 5820, 5830, 5840, and 5680).
- D. Support Courses (0-six hours)

To be selected from courses which support the student's clinical and/or functional role concentrations.
- E. Research Area (three-six hours)
 1. Thesis (Nursing 5980).
 - Research Problems (Nursing 5950).
 - Research Seminar (Nursing 5995).

Teledistance Learning Project

The Master of Science in Nursing program is also offered at selected locations through the Teledistance Learning Program. This program allows the student to complete some courses in their own community. Limited courses may be offered via Internet.

Radiologic Technology (615)

Accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 900, Chicago, Illinois 60606-2901, (312) 704-5300, mail@jrcert.org

Program Mission Statement

The mission of Northwestern State University Bachelor of Science in Radiologic Technology program is to provide students with advanced knowledge and skills through guided experiences and clinical practice that culminates in professional radiologic technologists becoming an integral part of the healthcare community and society.

Program Goals

Consistent with the mission statement, the specific goals of the educational program are:

- to provide a base of entry, as a radiologic technologist, within the profession.
- to provide opportunities which will enhance the development of radiographer roles.
- to provide a foundation for advanced study in the radiologic sciences.

Special Admission, Progression, Dismissal and Graduation Policies

The student who indicated the Bachelor of Science in Radiologic Technology as a major must meet University admission requirements and comply with academic regulations and policies.

The student who has been denied progression in courses or dismissed from another Radiologic Technology program will be evaluated on an individual basis.

The American Registry of Radiologic Technologists reserves the right to disapprove the writing of the National Registry to persons having been convicted of a felony or misdemeanor.

Individuals who have been arrested, charged with, pled guilty or no contest to, or been sentenced for any criminal offense or misdemeanor in any state must contact the American Registry of Radiologic Technologists regarding this offense (ARRT-651-687-0048). The final order of the American Registry of Radiologic Technologists will determine the individual's eligibility for consideration for admission to the Radiology courses. The final order is to be included in the Petition to Enroll in Radiology Courses Packet.

American Registry of Radiologic Technologists
1255 Northland Drive
St. Paul, Minnesota 55120-1155

The following statements relating to admission, progression, dismissal and graduation are consistent with policies of the University.

Special Admission Requirements for the University

The prospective student must submit the following materials to arrive at least nine weeks before registration to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, Louisiana 71497-0002.

1. An Application for Admission.
2. Official transcripts from all universities attended. Radiology requires an additional copy to be sent to the College Of Nursing, Attn: Radiology, 1800 Line Avenue, Shreveport, Louisiana 71101-4653.
3. All freshmen and transfer applicants with fewer than three credits in English composition and three credits in college mathematics beyond the developmental level must submit scores from the ACT assessment.

Enrollment in Radiology Courses

Admission to the University does not guarantee enrollment in Radiology courses. Selection for enrollment in Radiology courses is on a competitive basis for available spaces.

Students must meet the following minimum criteria to be considered for selection for enrollment in Radiology courses:

1. Admission to the University and submission of all official transcripts to the University Registrar and Admissions Office on the Natchitoches campus.
2. A cumulative grade point average of 2.0 or above.
3. A minimum grade of "C" in all required zoology, microbiology, chemistry, mathematics, allied health science courses.
4. Completion of pre-requisite general academic courses in first four semesters toward the degree.
5. Minimum grade point average of 2.7 in general academic courses completed that are required for degree excluding electives.
6. Completion of required entrance examinations for Radiology.
7. Completion of Petition to Enroll in Radiology Courses which includes:
 - a. Application to Radiology courses form.
 - b. Copy of scores on required entrance examinations for Radiology.
 - c. Verification of licensure as a health care provider (if applicable).
 - d. Response to any Requests of Waiver of Policy (if applicable).
 - e. Final Order of American Registry or Radiologic Technologists (if applicable).
8. Submission of completed Petition to Enroll in Radiology Courses no later than the following deadlines:
 - a. Fall enrollment - May 31
9. Students must have completed all required courses and criteria by the last day of the Northwestern State University semester of requested enrollment. Official transcripts of grades earned from other institutions must be submitted to the University Registrar and Admissions Office at Northwestern State University by the last day of the NSU semester preceding the date of requested enrollment.
10. A Petition is valid for one semester only.
11. No Petition will be accepted after the designated deadline.

Selection for Enrollment in Radiology Courses

Admission to the University does not guarantee enrollment in Radiology courses. Applicants who submit a completed Petition to Enroll in Radiology Courses will be selected for admission on a competitive basis according to the following variables:

1. Grade point average - general academic courses required for the degree excluding elective hours.
2. Pattern of repeated pre-requisite general academic courses required for the degree.
3. Entrance examination scores.
4. Number of general academic credit hours required for the degree completed at Northwestern.
5. Completion of a baccalaureate of higher degree and/or licensure in the health care system.

Students admitted to the first clinical Radiology course must submit a completed Undergraduate Studies in Radiology Health Form within four weeks following registration. These forms will be mailed to applicants with notification of acceptance for enrollment in Radiology courses. The physical examination and laboratory tests can be conducted no earlier than six weeks prior to registration. Repeat health forms are required every year thereafter.

Criteria for Progression in Undergraduate Studies in Radiology

1. Complete prerequisites and co-requisites for courses outlined in the curriculum pattern.
2. Earn at least a 2.0 GPA on courses outlined in the curriculum pattern.
3. Earn a minimum grade of "C" in all required zoology, microbiology, chemistry, and mathematics courses.
4. Earn a minimum grade of "C" in all required radiology/health science courses before progressing to the next required radiology course(s).
5. A radiology or health science course may be repeated one time only. A maximum of two different radiology/health science courses may be repeated, including those dropped with a grade of "W".

Criteria for Dismissal from Undergraduate Studies in Radiology

A student is subject to dismissal from Undergraduate Studies in Radiology for the following reasons:

1. Failure to achieve at least a "C" when repeating or enrolling for the second time in the same required radiology or health science course.
2. Failure of more than two required radiology or health science courses.
3. The need to repeat/re-enroll in more than two required radiology or health science courses.
4. Participation in academic cheating and/or unauthorized possession of an examination.
5. Plagiarism.
6. Falsification of patient and/or agency records.
7. The unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.
8. Illegal possession of weapons.
9. Theft.

10. Lack of professional compatibility or unsafe clinical practice as identified by the Undergraduate Studies in Radiology faculty.

Criteria for Graduation

Criteria for graduation from Undergraduate Studies in Radiology are:

1. Complete the University requirements for graduation.
2. Complete the approved curriculum within a four year period after enrollment in the first clinical radiology course.
3. A minimum grade of "C" in all required zoology, microbiology, chemistry, mathematics, radiology and health science courses.

Requests for Waiver of Policies

1. Forms for Waiver of the Admission, Progression, Dismissal and Graduation Policies should be submitted to:

Northwestern State University
Program Director for Radiologic Technology
1800 Line Avenue
Shreveport, Louisiana 71101-4653

A committee will review the request for waiver and make recommendations to the Director. The student will receive written notification regarding the decision.

2. Grade Appeal or University Suspension Appeal-refer to University Academic Regulations and Policies in the University Catalog.

Forms pertaining to admission, progression, dismissal, and graduation policies can be obtained from any of the following College of Nursing Offices:

Northwestern State University
College of Nursing/Radiologic Technology
Natchitoches, Louisiana 71497-0002
(318) 357-6776

Northwestern State University
College of Nursing/Radiologic Technology
1800 Line Avenue
Shreveport, Louisiana 71101-4653
(318) 677-3015

Criteria for Transfer Students in Radiologic Technology Courses

Students transferring credit from accredited radiologic technology programs must meet the following criteria:

1. Students must meet all Northwestern State University criteria for admission to the University.
2. Students making application to the program must provide a copy of their official transcript showing all credits earned in radiologic technology, and a copy of their clinical performance evaluations to the Director's office. Acceptance into the clinical program is contingent on past clinical performance records and not acceptance to Northwestern State University.
3. Students will be admitted to the Radiologic Technology program on a conditional status for one semester and must complete all assigned competencies (evaluation) in this period.

RT to BSRT Program Degree

The Radiologic Technology Program at Northwestern State University offers an individualized plan for learning to assist registered technologist who are pursuing a Bachelor of Science Degree in Radiologic Technology. This plan offers the opportunity for students to complete radiologic technology courses after completion of general academics. The student has the opportunity to earn credit without enrollment in 43 hours of radiologic technology courses.

Credit in Radiologic Technology Courses

Credit in radiologic technology courses is awarded after satisfactory completion of the following requirements:

1. Complete general education courses.
2. Complete Radiologic Technology 3900, 2200, and 4520.
3. Students will receive credit for:
Allied Health 1020 and Radiologic Technology 3311, 3310, 3320, 3300, 3811, 3820, 3830, 3920, 3911, 4530, 4510, 4511, and 4620.

Admission Requirements

1. The student must have worked full time for one year prior to application for the clinical portion of the program and be an ARRT registered technologist in Radiography.
2. Upon successful completion of the general education portion of the program, the student may be admitted to the RT to BSRT portion of the program. Students must meet the published criteria as stated in the current Northwestern State University Catalog to be considered for admission into the RT to BSRT portion of the program.

Admission Procedure

1. Schedule an appointment with a radiologic technology faculty advisor for initial planning. Students should bring a transcript and catalog from their basic program for this appointment.
2. Submit a completed application of admission to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, Louisiana 71497-0002, before registration. Forms are available in the Nursing Office.
3. Submit official transcripts from all colleges attended to the University Registrar and Admissions Office, Northwestern State University, Natchitoches, Louisiana 71497-0002.

Radiologic Technology

Radiologic Technology Major Requirements: (60 semester hours) Students seeking a major in Radiologic Technology must complete 60 semester hours, within the 124 semester hour Radiologic Technology curriculum, which include Radiologic Technology 2200, 2210, 3300, 3310, 3311, 3320, 3811, 3820, 3830, 3910, 3911, 3920, 4510, 4511, 4520, 4530, 4610, 4611, 4620, 4630; Allied Health 1020.

Curriculum for Radiologic Technology (615)

FIRST YEAR	SEM. HRS.
Allied Health 1020	2
Chemistry 1070	3
English 1010, 1020	6
Health Education 1010	2
History ¹	3
Mathematics 1020, 1060	6
Orientation 1010	1
Psychology 1010	3
	26

SECOND YEAR	SEM. HRS.
Computer 1020	3
Nutrition 1030	3
Microbiology 2060-2061	4
Chemistry 1080, 1091	4
Radiologic Technology 2200, 2210	4
Speech 1010	3
Zoology 1220-1221, 1230-1231	8
	29

THIRD YEAR	SEM. HRS.
(Clinical)	
Fine Arts 1040	3
English literature ¹	3
Radiologic Technology 3300, 3310, 3311, 3320, 3811, 3820, 3830, 3910, 3911, 3920	31
	37

FOURTH YEAR	SEM. HRS.
(Clinical)	
Elective	3
Psychology 4400	3
Radiologic Technology 4510, 4511, 4520, 4530, 4610, 4611, 4620, 4630	23
Social sciences ¹	3
	32

Total Semester Hours for Degree: 124

Footnotes:

¹ Refer to University core requirements.

COLLEGE OF SCIENCE AND TECHNOLOGY

Room 153, Kyser Hall

318-357-6699

Dean: Austin Temple, *Professor*

Mission of the College of Science and Technology

The mission of the College of Science and Technology parallels the mission of the University. The College of Science and Technology is committed to maintaining quality undergraduate and graduate curricula. Course offerings in the sciences and technologies are designed to satisfy the requirements of the offered curricula, of the core curriculum, and of special requirements from other curricula and programs.

Excellence in teaching is the lofty goal of each faculty member in the College of Science and Technology. Research and scholarly activities are encouraged as a means of enhancing teaching and keeping curricula and course offerings fresh and current. Faculty recognize the importance of the interaction between themselves and the students as a vital link in the learning process.

The sphere of influence of the College of Science and Technology reaches far beyond the University. Faculty provide consultation services to regional industry, participate in community service activities, and generate research that will benefit economic development and quality of life in the region.

Departments Within the College of Science and Technology

Department of Biological Science
Department of Chemistry and Physics
Department of Family and Consumer Science
Department of Health and Human Performance
Department of Engineering Technology
Department of Mathematics
Department of Military Science

Degrees Offered Through the College of Science and Technology

Associate Degree programs in: Electronics Technology; Veterinary Technology

Bachelor of Science in: Early Childhood Education Pre-K – Grade 3

Bachelor of Science programs in: Biology with concentrations in: biomedical, natural science, applied biology; Chemistry with concentrations in: biochemistry, computer science, professional, technology and management; Electronics Engineering Technology; Family and Consumer Sciences with concentrations in: fashion merchandising, housing and interiors, consumer services, nutrition and food systems management; Health and Human Performance with concentrations in: health and exercise science, health and physical education K-12 teaching; Hospitality Management and Tourism with concentrations in: hospitality services, recreation administration, travel and tourism; Industrial Engineering Technology; Mathematics; Medical Technology; Physics with a concentration in: space science.

Master of Education program with concentration in: early childhood education

Master of Science program in Health and Human Performance with concentrations in: physical education; health promotion; sports administration

Pre-Professional Programs

Pre-Cardiopulmonary Science
Pre-Medicine/Dentistry
Pre-Optometry
Pre-Pharmacy
Pre-Physician Assistant
Pre-Veterinary Medicine

Preparatory Programs

Pre-Agriculture
Pre-Engineering

AVIATION SCIENCE

All applicants for admission to the Aviation Science curriculum must meet the requirements for admission to NSU. To be admitted to the curriculum, the student must pass a second-class medical examination. The expense of the flight labs in Aviation Science are in addition to the regular University tuition fees. The flight fees will vary in accordance with solo, dual flight, type of aircraft, and operational costs.

In conjunction with the approval from the Federal Aviation Administration, the University provides the flight training to qualify for the following certificates and ratings: Private Pilot Certificate; Commercial Pilot Certificate; Instrument Rating; Flight Instructor Certificate; Instrument Flight Instructor Rating.

Requirements for the Bachelor of General Studies degree with concentration in Aviation Science are found in the University College section of this catalog.

For a minor: (21 semester hours) AVIS 1050, 1060, 2050, 3000, 3040, 1101, and 2101.

DEPARTMENT OF BIOLOGICAL SCIENCES

Department Head: Michael Bodri, *Associate Professor*

Professors Emeriti: Thomas A. Burns, Kenneth Williams, George Williamson

Professors: J. Allen, Stalling

Associate Professors: Darvish, Land, Pace, Sticker, B. Woodard

Assistant Professors: Akin, Gabrey, Hutchings, Joubert, Osborn

Instructors: Byrd, Kumar

Degrees Offered Through the Department of Biological Sciences:

Bachelor of Science programs in: Biology with concentrations in: biomedical, natural science, applied biology; Medical Technology

Associate Degree program in: Veterinary Technology

Biology

The NSU Department of Biological Sciences recognizes the recent explosion of information in the life sciences and the wide variety of current occupations that are dependent on the wealth of information. In response to this, the Department offers the biology major a choice of three concentrations (Biomedical, Natural Science and Applied Biology) in conjunction with a common biology core. This variety of choices allows students, with a wide variety of interests and goals, to pursue the selection of courses that directs their training to those ends and prepares them for productive personal and professional lives.

Biological Science Major Requirements: (42 semester hours)

Students seeking a major in Biological Science must complete 30 semester hours in the core and 12 semester hours in one of three available concentrations (total of 42 semester hours), within the 125 semester hour Biological Science curriculum. Core courses will include: Biology 1010-1011, 1020-1021, 3060, 3270, 3300-3301, 4400-4401; Botany 2100-2101; Microbiology 2060-2061; Biology 4900 or Microbiology 4900.

Biology Minor Requirements: (21 semester hours)

Biology 1010-1011, 1020-1021; Microbiology 2060-2061; Zoology 1220 or 1230; and at least six more hours chosen from courses numbered 4000 or higher in Biology, Zoology, Animal Science and Microbiology.

Microbiology Minor Requirements: (28 semester hours)

Chemistry 2110-2111, 2120-2121; Microbiology 2060-2061; 16 semester hours of microbiology electives from Microbiology 4030, 4120-4121, 4190-4191, 4210-4211, 4270, 4700, 4900 (maximum of one hour), 4950 (maximum of two hours), or Veterinary Technology 2100-2101.

Wildlife Management Minor Requirements: (22 semester hours)

Biology 4900; Botany 2140-2141; Plant & Soil Science 2100-2101; Zoology 2290, 3220-3221, 4960; three semester hours selected from Forestry 1110, 2150-2151; three semester hours selected from Zoology 3040-3041, 3340, 4170-4171, 4180-4181, or 4040-4041.

Available Concentrations: (12 semester hours each)

Biomedical (618M): Biology 4020-4021; Microbiology 4120-4121, 4190-4191; Veterinary Technology 3010; Zool-

ogy 2060-2061, 3170-3171, 4210-4211 for a concentration total of 12 hours.

Natural Science (618N): Botany 2140-2141; Forestry 2150-2151; Zoology 2050-2051, 2290, 3010-3011, 3340-3361 for a concentration total of 12 hours.

Applied Biology (618O): Agriculture 1040; Animal Science 3040, 3060, 4200-4201; Microbiology 4210-4211; Zoology 3010-3011 for a concentration total of 12 hours.

Curriculum for Biology (618)

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Computer 1020 or Computer Science 1060	3
English 1010, 1020	6
Mathematics 1100 or 1020 and 1060 or 1090	6
Nutrition 1030	3
Orientation 1010	1
History ¹	3
	30

SECOND YEAR	SEM. HRS.
Botany 2100-2101	3
Chemistry 1030, 1040, 1031, 1041	8
English literature or speech ¹	3
Fine Arts and Humanities ¹	3
Health and personal fitness ¹	2
Mathematics 2010	3
Microbiology 2060-2061	4
Social Sciences ¹	6
	32

THIRD YEAR	SEM. HRS.
Biology 3060, 3270, 3300-3301	10
Biology Concentration ²	8
Chemistry 3010-3011 ¹	5
Electives ⁴	9
	32

FOURTH YEAR	SEM. HRS.
Biology 4400-4401	4
Biology Concentration ²	4
Electives ⁴	19
Fine Arts 1040	3
Microbiology 4900 or Biology 4900	1
	31

Total Semester Hours for Degree: 125

Footnotes:

¹ Refer to University core requirements.

² Must be chosen so as to complete a particular concentration's electives.

³ Pre-med, pre-dental and microbiology minor students also take Organic Chemistry 3020-3021.

⁴ Any academic course 2000 level or higher is acceptable, or permission of Department Head.

Medical Technology

Curriculum for Medical Technology (Certified) (614)

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Chemistry 1030, 1040, 1031, 1041	8
English 1010, 1020	6
Health and personal fitness ¹	4
Mathematics 1020, 1060	6
Orientation 1010	1
	33

SECOND YEAR	SEM. HRS.
Anthropology 3050	3
Chemistry 1080, 3010-3011	8
Elective ²	2
History ¹	3
Microbiology 2060-2061	4
Psychology 1010	3
Social Sciences ¹	3
Zoology 2070-2071	4
	30

THIRD YEAR	SEM. HRS.
Biology 3300-3301, 3500-3501	8
Communications ¹	6
Electives ³	5
Fine Arts 1040	3
Mathematics 2050	3
Microbiology 4190-4191	4
Psychology 4450	3
	32

FOURTH YEAR (Clinical) ³	SEM. HRS.
Medical Technology 4040, 4050, 4060, 4070, 4080, 4090, 4100	30
	30

Total Semester Hours for Degree: 125

Footnotes:

¹ Refer to University core requirements.

² Any academic course is acceptable.

³ Students complete their senior year (12 months) at one of the NSU clinical hospital affiliates, earning 30 semester hours. All affiliates are approved by the Committee on Allied Health Education and Accreditation.

Recommended Electives: Biology 3270; Chemistry 2040-2041, 2110-2111, 2120-2121; Criminal Justice 1100; Microbiology 4120-4121; Veterinary Technology 1020, 2100-2101, 2190-2191; Zoology 1220-1221, 1230-1231.

Pre-Agriculture

Curriculum for Pre-Agriculture (618E)

FIRST YEAR	SEM. HRS.
Agriculture 1040, 1050	6
Biology 1010-1011, 1020-1021	8
Chemistry 1030, 1040, 1031, 1041	8
English 1010, 1020	6
Mathematics 1020, 1060	6
Orientation 1010	1
	35

SECOND YEAR	SEM. HRS.
Accounting 2000	3
Agricultural science electives ¹	18
Computer 1020	3
Economics 2010	3
Fine Arts 1040	3
History 2010 or 2020	3
Social sciences	3
	36

Footnote:

¹ To be selected with approval of advisor.

Pre-Cardiopulmonary Science

Curriculum for Pre-Cardiopulmonary Science¹ (618J)

FIRST YEAR	SEM. HRS.
Biology 1010-1011	4
Chemistry 1030, 1040, 1031, 1041	8
English 1010, 1020	6
Humanities ²	3
Mathematics 1020, 1090	6
Zoology 1220-1221	4
	31

SECOND YEAR	SEM. HRS.
Art elective ³	3
Computer 1020	3
English	3
Humanities ²	6
Microbiology 2060-2061	4
Physics 2030-2031	4
Psychology 1010	3
Science electives ⁴	6
	32

Footnotes:

¹ The pre-cardiopulmonary science curriculum meets the requirements for entrance into the Louisiana State University Cardiopulmonary Science program. The curriculum may be adjusted to meet the requirements of other professional schools.

² Humanities recommended: speech, English literature, technical writing, advanced composition, sociology or foreign language.

³ Art electives recommended: music, art, dance, theatre, or Fine Arts 1040.

⁴ Six hours of science electives chosen from human physiology, general biology II, organic chemistry.

Pre-Medicine or Pre-Dentistry

Students preparing for admission to medical school can major in biology or chemistry and minor in microbiology.

The electives are to be used to complete the requirements of the medical school(s) to which the student plans to apply.

Pre-Optometry**Curriculum for Pre-Optometry¹ (618H)**

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Electives ²	6
English 1010, 1020	6
History	3
Mathematics 1020, 1090	6
Orientation 1010	1
Psychology	3
	33

SECOND YEAR	SEM. HRS.
Chemistry 1030, 1040, 1031, 1041	8
Electives ²	11
English or speech	3
Physics 2030-2031, 2040-2041	8
Political science	3
	33

Footnotes:

¹ The above curriculum is based upon current requirements for admission to schools of optometry in the U.S. as published by the Council on Education and Professional Guidance of the American Optometric Association. Since entrance requirements for the various schools and colleges of optometry vary slightly the student should contact the school he or she intends to enter regarding specific requirements.

² For electives or for a third pre-professional year, the following are strongly recommended: animal anatomy and development, genetics, human physiology, microbiology, sociology and organic chemistry.

Pre-Pharmacy**Curriculum for Pre-Pharmacy¹ (618I)**

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Chemistry 1030, 1040, 1031, 1041	8
Electives ²	3
English 1010, 1020	6
Health Education 1010	2
Mathematics 1020, 1090	6
Orientation 1010	1
	34

SECOND YEAR	SEM. HRS.
Accounting 2000	3
Chemistry 3010-3011, 3020-3021	10
Economics 2000	3
Electives ²	13
Mathematics 2010	3
Microbiology 2060-2061	4
Psychology 4400	3
	39

THIRD YEAR	SEM. HRS.
Physics 2030-2031, 2040-2041	8

Footnotes:

¹ This curriculum meets the requirements for entrance into the Northeast Louisiana School of Pharmacy.

² Eight hours credit to be selected from foreign languages, history, literature, philosophy, religion or speech; three hours credit to be selected from art, dance, music, theatre, or Fine Arts 1040. English elective must be selected from literature offerings at the sophomore level (2000) or above.

Pre-Physician Assistant**Curriculum for Pre-Physician Assistant¹ (618P)**

FIRST YEAR	SEM. HRS.
Biology 1010-1011	4
Computer 1020	3
English 1010, 1020	6
Fine Arts 1040	3
Mathematics 1020, 1090	6
Psychology 1010, 2050	6
Social Sciences ²	3
	31

SECOND YEAR	SEM. HRS.
Chemistry 1030-1031, 1040-1041	8
Humanities ³	9
Microbiology 2060-2061	4
Physics 2030-2031	4
Zoology 1220-1221 or 1230-1231	4
	29

Footnotes:

¹ Applicants to the Physician Assistant program at LSUMC-S are required to have completed 1000 hours of work experience in the medical profession. The Pre-Physician Assistant program meets the academic requirements for entrance into the LSUMC-S Physician Assistant program. The curriculum may be adjusted to meet the requirements of other professional schools.

² Social Sciences: anthropology, economics, geography, political science, psychology, or sociology.

³ Humanities: foreign languages, philosophy, religion, history, literature, speech/communication. At least 3 hours must be at sophomore level or above.

Pre-Veterinary Medicine**Curriculum for Pre-Veterinary Medicine¹ (618C)**

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Chemistry 1030, 1040, 1031, 1041	8
Elective ¹	3
English 1010, 1020	6
Mathematics 1020, 1090	6
Orientation 1010	1
Speech 1010	3
	35

SECOND YEAR	SEM. HRS.
Chemistry 1080, 3010-3011	8
Electives ¹	13
Microbiology 2060-2061	4
Physics 2030-2031, 2040-2041	8
Veterinary Technology 1020	2
	35

Footnotes:

¹ This curriculum comprises those courses required by the School of Veterinary Medicine at Louisiana State University. Students interested in applying to veterinary school may choose courses from elective requirements that will apply towards a terminal undergraduate degree (i.e., bachelor's degree in biology, chemistry, physics, or mathematics; associate degree in veterinary technology).

NOTE: All correspondence involving veterinary medical education and requests for applications for admission to the school should be addressed to the Dean, School of Veterinary Medicine, Louisiana State University, Baton Rouge, Louisiana 70803 or contact the Pre-Veterinary advisor at NSU. Formal application and all required credentials must be submitted by October 1 prior to the year admission is sought.

Associate Degree

Veterinary Technology

The Veterinary Technology Program is fully accredited by the American Veterinary Medical Association, Division of Scientific Activities, 1931 North Meacham Road, Suite 100, Schaumburg, Illinois 60173-4630.

Curriculum for Veterinary Technology¹ (725)

FIRST YEAR	SEM. HRS.
Agriculture 1040	3
Biology 1010-1011, 1020-1021	8
English 1010, 1020	6
Mathematics 1020, 1060	6
Orientation 1010	1
Psychology 1010	3
Veterinary Technology 1010-1011, 1020F, 1030-1031, 2060	9
	<u>36</u>

SECOND YEAR	SEM. HRS.
Chemistry 1070, 1080, 1091 or 1030, 1040, 1031, 1041	7-8
Microbiology 2060-2061	4
Veterinary Technology 2090-2091, 2100-2101	
2190-2191, 2200-2201, 2600, 2700-2701, 3010	24
	<u>35-36</u>

THIRD YEAR	SEM. HRS.
Veterinary Technology 2900 ²	12
	<u>12</u>

Total Semester Hours for Degree: 83-84

Footnotes:

¹ Students majoring in Veterinary Technology must have completed Veterinary Technology 2190-2191, 2200-2201 within one calendar year prior to registering for Veterinary Technology 2900 (Internship).

² Veterinary technology courses are offered only once each calendar year.

³ All other courses required for a degree in Veterinary Technology must have been successfully completed prior to registration in Veterinary Technology 2900.

NOTE: All students majoring in Veterinary Technology will require a grade of C or better in each course entitled Veterinary Technology.

Occupational Therapy

To make application to the Occupational Therapy Program at the Louisiana State University School of Allied Health Professions, students must hold a bachelor's degree, meet the minimum course requirements set forth by the LSU Department of Occupational Therapy with a minimum cumulative grade point average of 2.8 in these courses, have taken and submitted scores on the Graduate Record Examination by the time of application, must have CPR certification, have 20 hours of clinical observation under the supervision of a licensed occupational therapist, and at the time of acceptance have access to a computer with Internet access and with Microsoft Office.

Students completing requirements for a major in biology meet all the requirements in math and science. Computer literacy is required and three credits in computer science (Microcomputers, Programming, Computer-based mathematics) will satisfy the admission criteria into the Occupational Therapy Program.

Physical Therapy

To make application to the Physical Therapy program at the Louisiana State University School of Allied Health Professions, students must hold a bachelor's degree, meet the minimum course requirements set forth by the LSU Department of Physical Therapy, have completed 60 hours of practical experience under the direction of a licensed physical therapist, have a grade point average of 3.0 or above on all undergraduate science courses, and have taken and submitted scores on the Graduate Record Examination by the time of application. Students may select any major, but must complete 39 semester hours in mathematics and the biological and physical sciences.

Students completing requirements for a major in biology meet all of the requirements in math and science. Three credits in computer science (Microcomputers, Programming, Computer-based mathematics) must also be satisfied for admission into the Physical Therapy Program.

DEPARTMENT OF CHEMISTRY AND PHYSICS

Department Head: Paul A. Withey, Associate Professor

Professor: Graham

Associate Professors: Flomer, Ludu

Assistant Professors: Botting, Fry, Mitchell, Rudd

Degree(s) Offered Through the Department of Chemistry and Physics:

Bachelor of Science programs in: Chemistry with concentrations in: biochemistry, computer science, professional, technology and management; Physics with a concentration in space science

Chemistry

The Chemistry Program is fully accredited by the American Chemical Society, 1155 Sixteenth Street, N.W., Suite 500, Washington, DC 20036-1023, telephone number (703) 706-4600.

Chemistry Major Requirements: (52-67 semester hours) Students seeking a major in Chemistry must complete 52-67 semester hours, within the 124-125 semester hour Chemistry curriculum, which include a 36 semester hour core curriculum and a 16-31 semester hour concentration within the 124-125 semester hour curriculum required for the Bachelor of Science degree.

Core: (36 semester hours) Chemistry 1010, 1030, 1040, 1031, 1041, 2110-2111, 2140-2141, 3010-3011, 3020-3021, 3210-3211, 3220-3221, two semester hours of Chemistry 4900.

Concentration: (16-31 semester hours as defined below)

Chemistry Minor Requirements: (20 semester hours) Chemistry 1030, 1040, 1031, 1041, 2110-2111, 3010-3011; and three semester hours of chemistry electives at the 2000 level or above.

Available Concentrations:

Biochemistry (634E): (22-31 semester hours) Chemistry 4040-4041, 4050; a minor in biology or microbiology (students completing a biology minor must also complete Microbiology 2060-2061).

Computer Science (634F): (21 semester hours) Computer Science 1060, 2010, 2060, 2070, 3050; Mathematics 3450 or 3150 or Computer Science 2080; a 3000 or 4000 level three semester hour computer science elective.

Professional (634G): (20 semester hours) Chemistry 4040-4041, 4140, 4160-4161, 4980; Mathematics 3130; three semester hours of 3000 or 4000 level electives in chemistry, physics or mathematics; Physics 2510-2511 and 2520-2521 are also recommended. (Students who complete this concentration will be certified as Professional Chemists meeting the guidelines of the American Chemical Society upon graduation.)

Technology and Management (634H): (27 semester hours) Economics 2000, 2010; Accounting 2000, 2010; Business Administration 2120, 3120; Management 3220; Marketing 3230; a 4000 level three semester hour chemistry elective.

Curriculum for Chemistry (634)

FIRST YEAR	SEM. HRS.
Chemistry 1010, 1030, 1040, 1031, 1041	9
Fine Arts 1040	3
English 1010, 1020	6
History ¹	3
Mathematics 1090 ² , 2100 ³	8
Orientation 1010	1
Social sciences ¹	3
	33

SECOND YEAR	SEM. HRS.
Chemistry 2110-2111, 2140-2141, 3010-3011, 3020-3021	17
English literature ¹	3
Mathematics 2110	5
Physics 2030-2031, 2040-2041 ⁵	8
	33

THIRD YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Chemistry 3210-3211, 3220-3221	8
Electives ⁴	9
English or speech ¹	3
	28

FOURTH YEAR	SEM. HRS.
Chemistry 4900	2
Electives ⁵	21
Health and personal fitness ¹	4
Social sciences ¹	3
	30

Total Semester Hours for Degree: 124-125

Footnotes:

- ¹ Must meet University core requirements.
- ² Students who are deficient in algebra should take Mathematics 1020, adding three semester hours to degree requirements.
- ³ Students with higher mathematical ability should take Mathematics 1100, 2100 or 2100, 2110 in their first year.
- ⁴ Chosen with advisor's approval from courses in the biological and physical sciences, mathematics, foreign language, business and also to complete concentration requirements.
- ⁵ Physics 2510-2511, 2520-2521 are strongly recommended in lieu of Physics 2030-2031, 2040-2041.

Pre-Medicine or Pre-Dentistry

Students preparing for admission to medical school can major in chemistry or biology and minor in microbiology. Electives are to be used to complete the requirements of the medical school(s) to which the student plans to apply.

Physics

Physics Major Requirements: (38 semester hours) Students seeking a major in Physics must complete 38 semester hours, within the 124 semester hour Physics curriculum, which include Physics 1010, 2510-2511, 2520-2521, 3291, 3710, 4100, 4510, 4620, 4830, two semester hours of 4900; four semester hours of physics electives.

Physics Minor Requirements: (22 semester hours) Physics 2510-2511, 2520-2521; 12 semester hours of physics electives.

Available Concentration:

Space Science Concentration: (12 semester hours) Physics 1120, 3120; six semester hours of physics electives which may include Space Science 1010.

Curriculum for Physics (633)

FIRST YEAR	SEM. HRS.
Chemistry 1030, 1040, 1031, 1041	8
English 1010, 1020	6
Fine Arts 1040	3
Health and personal fitness ¹	4
Mathematics 1090, 2100	8
Orientation 1010	1
Physics 1010	1
Social sciences ¹	3
	<u>34</u>

SECOND YEAR	SEM. HRS.
Electives	9
English literature ¹	3
English or speech ¹	3
History ¹	3
Mathematics 2110	5
Physics 2510-2511, 2520-2521 ²	10
	<u>33</u>

THIRD YEAR	SEM. HRS.
Electives ³	6
Biological science ¹	3
Mathematics 3130, 3160	6
Physics 3291, 3710, 4100	9
Social sciences ¹	3
	<u>27</u>

FOURTH YEAR	SEM. HRS.
Electives ³	12
Physics 4510, 4620, 4830, 4900 (two semester hours)	14
Physics electives	4
	<u>30</u>

Total Semester Hours for Degree: 124

Footnotes:

¹ Must meet University core requirements.

² Physics 2030-2031, 2040-2041 may be taken if the student has not satisfactorily completed one semester of calculus. This adds two hours of physics electives to degree requirements.

³ Chosen with advisor's approval.

DEPARTMENT OF ENGINEERING TECHNOLOGY

Department Head: Thomas M. Hall, Jr., *Professor*

Associate Professor: Islam

Assistant Professors: Jannik, Nowlin, Simmons

Degree Programs Available Through the Department of Engineering Technology:

Associate of Science program in: Electronics Technology
Bachelor of Science programs in: Electronics Engineering Technology; Industrial Engineering Technology

The Bachelor of Science program in Electronics Engineering Technology, the Bachelor of Science program in Industrial Engineering Technology, and the Associate of Science program in Electronics Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: (410) 347-7700.

Electronics Engineering Technology

Electronics Engineering Technology Major Requirements:

(67 semester hours) Students seeking a major in Electronics Engineering Technology must complete 67 semester hours, within the 125 semester hour Electronics Engineering Technology curriculum, which include Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331, 2320-2321, 3310-3311, 3340-3341, 3360-3361, 4300-4301, 4310-4311, 4350-4351, 4390, 4940, 4950 and six hours of Computer Science courses or any 2000, 3000, or 4000 level Electronics Engineering Technology or Industrial Engineering Technology electives; Industrial Engineering Technology 1400, 1700, 2790, 3720 or English 3230, 4750.

Electronics Engineering Technology Minor Requirements:

(23 semester hours) Electronics Engineering Technology 1300-1301, 1320-1321, 1330-1331, 2320-2321, 3310-3311 or 3340-3341 or 3360-3361, and three additional hours of Electronics Engineering Technology courses.

Curriculum for Electronics Engineering Technology (141)

FIRST YEAR	SEM. HRS.
Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331	13
English 1010	3
Industrial Engineering Technology 1700	1
Mathematics 1810, 2020	12
Orientation 1010	1
	30

SECOND YEAR	SEM. HRS.
Biological Science ¹	3
Electronics Engineering Technology 2320-2321, 3340-3341, 3360-3361	12
English 1020	3
Industrial Engineering Technology 1400, 2790	6
Physics 2030-2031, 2040-2041	8
	32

THIRD YEAR	SEM. HRS.
Chemistry 1030	3
Computer Science 1060	3
Electronics Engineering Technology 3310-3311, 4300-4301, 4310-4311, 4350-4351, 4390	19
English 3230 or Industrial Engineering Technology 3720	3
Speech 1010	3
	31

FOURTH YEAR	SEM. HRS.
Electronics Engineering Technology 4940, 4950	4
Electronics Engineering Technology, Industrial Engineering Technology or Computer Science electives ²	6
English literature ¹	3
Fine Arts 1040	3
Health and personal fitness ¹	4
History ¹	3
Industrial Engineering Technology 4750	3
Social Sciences ¹	6
	32

Total Semester Hours for Degree: 125

Footnotes:

¹ Must meet University core requirements.

² Electives may be selected from any Computer Science courses or any 2000, 3000, or 4000 level Electronics Engineering Technology or Industrial Engineering Technology courses. Electives may include a maximum of three hours of occupational field experience.

Industrial Engineering Technology

Industrial Engineering Technology Major Requirements:

(65 semester hours) Students seeking a major in Industrial Engineering Technology must complete 65 semester hours, within the 125 semester hour Industrial Engineering Technology curriculum, which include Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 4940; Industrial Engineering Technology 1020, 1400, 1700, 1800, 2020, 2400, 2740, 2790, 3150, 4700, 4720, 4730, 4750, 4760, 4960; and 12 hours of electives from any 2000, 3000 or 4000 level Industrial Engineering Technology or Electronics Engineering Technology courses.

Requirements for a Minor in Industrial Engineering Technology:

(22 semester hours) Electronics Engineering Technology 1300-1301; Industrial Engineering Technology 1020, 1400, 1800, 2020, 2740, and 3 semester hours from any 3000 or 4000 level Industrial Engineering Technology courses.

Curriculum for Industrial Engineering Technology (145)

FIRST YEAR	SEM. HRS.
Electronics Engineering Technology 1311	1
English 1010	3
Industrial Engineering Technology 1020, 1400, 1700, 1800, 2400	13
Mathematics 1810, 2020	12
Orientation 1010	1
	30

SECOND YEAR	SEM. HRS.
Chemistry 1030	3
Electronics Engineering Technology 1300-1301, 1320-1321	8
English 1020	3
Fine Arts 1040	3
Industrial Engineering Technology 2020, 2740, 2790	9
Physics 2030-2031	4
Speech 1010	3
	33

THIRD YEAR	SEM. HRS.
Computer Science 1030 or 1060	3
English 3230 or Industrial Engineering Technology 3720	3
History ¹	3
Industrial Engineering Technology 3150, 4700, 4720, 4730, 4750	15
Mathematics 2050	3
Science 1020	3
	30

FOURTH YEAR	SEM. HRS.
Economics 2000 or 2010	3
Electives ²	12
Electronics Engineering Technology 4940	2
English literature ¹	3
Health and personal fitness ¹	4
Industrial Engineering Technology 4760, 4960	5
Social sciences ¹	3
	32

Total Semester Hours for Degree: 125

Footnotes:

¹ Must meet University core requirements.

² Electives may be selected from any 2000, 3000 or 4000 level Industrial Engineering Technology or Electronics Engineering Technology courses. Electives may include a maximum of three hours of occupational field experience.

Associate of Science Degree

Electronics Technology

Curriculum for Electronics Technology (732)

FIRST YEAR	SEM. HRS.
Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331	13
English 1010	3
Industrial Engineering Technology 1700	1
Mathematics 1810, 2020	12
Orientation 1010	1
	30

SECOND YEAR	SEM. HRS.
Electronics Engineering Technology 2320-2321, 3340-3341, 3360-3361	12
Electronics Engineering Technology, Industrial Engineering Technology or Computer Science electives ¹	6
English 1020	3
English 3230 or Industrial Engineering Technology 3720	3
Industrial Engineering Technology 1400	3
Physics 2030-2031	4
Social Sciences ²	3
	34

Total Semester Hours for Degree: 64

Footnotes:

¹ Electives must be approved by faculty advisor.

² Must meet University core requirements.

Pre-Engineering

Curriculum for Pre-Engineering (144)

FIRST YEAR	SEM. HRS.
Chemistry 1030, 1040, 1031, 1041	8
English 1010, 1020	6
Industrial Engineering Technology 1400, 1700	4
Mathematics 2100, 2110 ¹	10
Orientation 1010	1
Social sciences	3
	32

SECOND YEAR	SEM. HRS.
Computer Science 2010	3
Economics 2010	3
English literature	3
Mathematics 3130, 3160	6
Physics 2510-2511, 2520-2521	10
Social sciences	3
Technical electives ²	6
	34

Footnotes:

¹ Students who are deficient in algebra and trigonometry should take Mathematics 1100.

² Electives determined by field of engineering to be pursued.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

Department Head: Patricia N. Pierson, Associate Professor

Associate Professor: L. Woods

Assistant Professors: Fazio, Howell-Maroney, C. McBride

Instructors: C. Jones, A. Weaver

The field of Family and Consumer Sciences uses an integrative approach to the relationships among individuals, families, and communities, and the environments in which they function. The Department of Family and Consumer Sciences at Northwestern State University of Louisiana is dedicated to the overall goal of empowering individuals, strengthening families, and enabling communities; thereby improving quality of life. The Unit strives to prepare individuals for careers and professions by building upon the arts, sciences, and humanities. The Unit also builds upon the historical and philosophical foundations of the profession, incorporates technology and a global perspective into its curricula, and disseminates knowledge across subject and functional areas.

Operating within the broader mission of the University, the Department of Family and Consumer Sciences enables the students to prepare for productive personal and professional lives through instruction, laboratory, field experiences, and membership in professional organizations. The unit has created new programs to prepare graduates entering a rapidly changing world. This student training reinforces the university's commitment to the economic, social, and cultural development and diversification of the state and the region. Additionally, the department has made selected degree programs and courses available to students beyond the traditional college population of Central Louisiana at a variety of off-campus locations, again staying consistent with the university's mission statement. Quality instruction in a student-centered environment, research and development of programs and faculty, and providing service through commitment to the economic, social, and cultural development of the state and region are three broad areas of focus.

Degrees Offered Through the Department of Family and Consumer Sciences:

Bachelor of Science in: Early Childhood Education Pre-K – Grade 3

Bachelor of Science programs in: Family and Consumer Sciences with concentrations in: fashion merchandising, housing & interiors, consumer services, and nutrition & food systems management; Hospitality and Tourism with concentrations in: hospitality services, recreation administration, and travel & tourism

Masters of Education program with concentration in: Early Childhood Education

All degree programs in Family and Consumer Sciences are accredited by the American Association of Family and Consumer Sciences, 1555 King Street, Alexandria, Virginia 22314-2752, telephone number (703) 706-4600. The Early Childhood Education program is accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue, N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 872-4600.

Family and Consumer Sciences

Family and Consumer Sciences Major Requirements: (62 semester hours) Students seeking a major in Family and Consumer Sciences must complete 62 semester hours, within the 122 semester hour Family and Consumer Sciences curriculum, which include a 32 semester hour Family and Consumer Sciences core and a 30 semester hour concentration.

Core: (32 semester hours) Family and Consumer Science 1070, 1120, 4010; three hours from Family and Consumer Science 3030 or 4160, 4500; Nutrition 1020, or 1030 or 1050. In addition, 12 semester hours from family and consumer science core groups.

Concentration: (30 semester hours as defined below)

Special requirements: Completion of an approved minor of a minimum of 18 semester hours.

Family and Consumer Sciences Minor Requirements: (20 semester hours) Undergraduate students seeking a minor in Family and Consumer Sciences must complete 20 semester hours in one of the following areas:

Food and Nutrition: Family and Consumer Science 2010, 3050, 3070; Hospitality Management and Tourism 3020; Nutrition 1030; four semester hours from Family and Consumer Science 1041, 1120, 2050, 4010, 4080, 4260, or Merchandising 3200.

Housing and Interiors: Family and Consumer Science 3090, 3100; Art 1010, 1060; Industrial Engineering Technology 1400; five semester hours from Art 1230, 2050; Family and Consumer Science 1120, 4010; Merchandising 3200 or Industrial Engineering Technology 3460.

Clothing and Textiles: Family and Consumer Science 1010, 2030, 2060, 4050; eight semester hours from Family and Consumer Science 1120, 3100, 4010, 4080; Merchandising 2220, 3200, or 4220.

Child Development and Family Relations: Early Childhood Education 2070, 3060, 3070; Family and Consumer Sciences 1041 or 1070, 3020, 4160; Nutrition 1050.

Available Concentrations:

Fashion Merchandising (138A): (30 semester hours) Art 1010; Family and Consumer Science 1010, 2030, 2060, 3100, 4050; Merchandising 2210, 2220, 3200, 4220.

Housing & Interiors (138B): (30 semester hours) Family and Consumer Science 2030, 3090, 3100; Merchandising 2210, 3200; Art 1010, 1060, 2050; Industrial Engineering Technology 1400, 3460.

Consumer Services (138C): (30 semester hours) Family and Consumer Science 1010 or 2060; 2010, 2030, 3090, 3100, 4080, 4160; Merchandising 2210; Family and Consumer Science 3050 or Hospitality Management and Tourism 3020; Journalism 3060.

Nutrition and Food Systems Management (138D): (30 semester hours) Special requirements: (Students in this concentration must take Nutrition 1030 as part of their health

and personal fitness core component (one additional credit hour), Nutrition 3000, 3400; Family and Consumer Sciences 1041, 2050, 3050, 3070; Hospitality Management and Tourism 3020, 3080. *Additional six hours from designated natural science courses.

*Students in this concentration must complete the following courses to satisfy natural science core and concentration support courses in sciences: Chemistry 1030 or 1070; Zoology 1220-1221, 1230-1231; Microbiology 2060-2061.

Curriculum for Family and Consumer Sciences (138)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Family and Consumer Science 1070, 1120	2
Family and Consumer Science concentration area ²	3
Family and Consumer Science core ³	3
Fine Arts 1040	3
Mathematics ¹	6
Nutrition ¹	2
Orientation 1010	1
Speech 1010	3
	29

SECOND YEAR	SEM. HRS.
Electives ¹	6
English literature ¹	3
Family and Consumer Science concentration area ²	9
Family and Consumer Science core ³	6
Health and personal fitness ¹	2
Science ¹	6
	32

THIRD YEAR	SEM. HRS.
Electives ¹	9
Family and Consumer Science 3030 or 4160	3
Family and Consumer Science concentration area ²	6
Family and Consumer Science core ³	3
History ¹	3
Science ¹	3
Social sciences ¹	6
	33

FOURTH YEAR	SEM. HRS.
Electives ¹	3
Family and Consumer Science 4010, 4500	13
Family and Consumer Science concentration area ²	12
	28

Total Semester Hours for Degree: 122

Footnotes:

- Selected to meet University core requirements.
- Chosen from family and consumer science concentration area.
- Chosen from family and consumer science core groups:
Life Span/Human Development: Early Childhood Education 3060, 3070; Family and Consumer Science 3020, 4160.
Foods/Resource Management: Family and Consumer Science 1041, 2010, 2050, 3030, 3050, 4080; Hospitality Management and Tourism 3020; Nutrition 3000.
Apparel/Textiles/Environments: Family and Consumer Science 1010, 2030, 2060, 3090, 3100, 4050; Merchandising 2210, 3200, 4220.
- Electives must be chosen so as to complete an approved minor as defined by department concerned.

Early Childhood Education Pre-K – Grade 3

Early Childhood Education Pre-K – Grade 3 Curriculum Requirements: (127) semester hours) Students seeking a major in Early Childhood Education Pre-K – Grade 3 must complete the 127 semester hour curriculum which includes:

General Education coursework: (39 hours) ENGL 1010, 1020, 2080, 3210; MATH 1020, 1060, 2040; SCI 1010, 1020, 2010; HIST 2010; PSCI 2010; FA 1040.

Focus Area – Young Child: (33 hours) ECED 1060, 3070, 3090, 3110; FACS 3020; RDG 3030, 3060, 4060; MATH 2030; EDUC 3100, 4080, 4230.

Knowledge of the Learner and Learning Environment: (15 hours) EDUC 2020; EPSY 3000; ECED 3060, 3080; SPED 3460.

Methodology in Teaching: (15 hours) EDUC 4330, 4430, 4950.

Additional Hours: (25 hours) HED 1010; NUTR 1050; OR 1010; GEOG 2010; EDUC 3140; FACS 4160; PE 3170; MUS 2100; ART 2040; HED 3160; SST 3030.

Curriculum for the Bachelor of Science in Early Childhood Education Pre-K – Grade 3 (3101)

FIRST YEAR	SEM. HRS.
Early Childhood Education 1060	1
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
Health Education 1010	2
History 2010	3
Mathematics 1020, 1060	6
Nutrition 1050	2
Orientation 1010	1
Science 1010, 1020	6
	33

SECOND YEAR	SEM. HRS.
Art 2040	2
Early Childhood Education 3060	3
Educational Psychology 3000	3
English 2080	3
Geography 2010	3
Mathematics 2030, 2040	6
Political Science 2010	3
Reading 3030, 3060	6
Science 2020	3
Special Education 3460	3
	35

THIRD YEAR	SEM. HRS.
Early Childhood Education 3070, 3080 ^{1,3} , 3090 ^{1,3} , 3110 ^{1,3}	12
Education 3100, 3140	6
English 3210	3
Family and Consumer Science 3020	2
Health Education 3160	2
Music 2100	2
Reading 4060 ¹	3
Social Studies 3030	3
	33

FOURTH YEAR	SEM. HRS.
Education 4080 ^{1,3} , 4230 ^{1,3} , 4330 ^{1,3} , 4430 ^{1,3} , 4950 ^{2,3}	21
Family and Consumer Science 4160 ³	3
Human Performance 3160	2
	26

Total Semester Hours for Degree: 127

Footnotes:

- Courses taken as a block.
- Courses taken concurrently.
- Must be admitted to teacher candidacy.

Hospitality Management and Tourism**Hospitality Management and Tourism Major Requirements:**

(54 semester hours) Students seeking a major in Hospitality Management and Tourism must complete 54 semester hours, within the 125 semester hour Hospitality Management and Tourism curriculum, which include Hospitality Management and Tourism 1000, 2000, 4150, 4200; one nutrition course; Family and Consumer Science 1070, 1120, 3030, 4010, 4500 (12 hrs). Completion of a Hospitality Management and Tourism concentration area (24 hours). Special requirements: Completion of an approved minor, six hours foreign language.

Hospitality Management and Tourism Minor Requirements:

(21 semester hours) Hospitality Management and Tourism 1000, 3020, 4200, and 12 hours of Hospitality Management and Tourism electives, six of which must come from 3000-4000 level courses.

Available Concentrations:

Hospitality Services (135A): (24 semester hours) Hospitality Management and Tourism 3000, 3020, 3080, 4100 or 4250. Support areas: FACS 2050, 3050; choose two courses from HMT 3150, FACS 3070, 3090, 3100, or MRCH 3200. Note: Food & Nutrition is not an acceptable minor for students choosing the Hospitality Services concentration.

Recreation Administration (135B): (24 semester hours) Hospitality Management and Tourism 2220, 3140 or 3150, 4100 or 4250; Family and Consumer Science 3050; three semester hours of Hospitality Management and Tourism electives. Support areas: Choose nine hours from Early Childhood Education 3060, Family and Consumer Science 4110, 4160, or 2000-4000 level Human Performance or Health Education electives.

Travel & Tourism (135C): (24 semester hours) Hospitality Management and Tourism 2150, 2050 or 3000, 3140, 3150, 4250; Family and Consumer Science 3050 or Hospitality Management and Tourism 3020, Family and Consumer Science 3090 or 3100. Support areas: Three semester hours from Hospitality Management and Tourism electives, History electives, or upper level Family and Consumer Sciences or Merchandising electives.

Curriculum for Hospitality Management and Tourism (135)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Family & Consumer Science 1070, 1120	2
Fine Arts 1040	3
Health Education 1010	2
Hospitality Management & Tourism 1000	3
Mathematics 1020, 1060	6
Nutrition ¹	2
Orientation 1010	1
Science ¹	3
Speech 1010	3
	31

SECOND YEAR	SEM. HRS.
Electives ¹	9
English literature ¹	3
History 2010 or 2020	3
Hospitality Management & Tourism 2000	3
Hospitality Management & Tourism concentration area ²	6
Science ¹	6
Social Sciences ¹	3
	33

THIRD YEAR	SEM. HRS.
Electives ¹	9
Family and Consumer Science 3030	3
Foreign language	6
Hospitality Management & Tourism concentration area ²	9
Social sciences ¹	3
	30

FOURTH YEAR	SEM. HRS.
Elective ¹	3
Family & Consumer Science 4010, 4500 ⁴	13
Hospitality Management & Tourism concentration area ²	9
Hospitality Management & Tourism 4150, 4200	6
	31

Total Semester Hours for Degree: 125

Footnotes:

- ¹ Selected to meet University core requirements.
- ² Chosen to meet Hospitality Management and Tourism concentration area.
- ³ Electives must be chosen so as to complete an approved minor as defined by the department concerned.
- ⁴ Must have completed foreign language requirements before enrolling in this course.

Graduate Program
**Master of Education with a Concentration in
Early Childhood Education**

(See College of Education, Graduate Programs or the Graduate Section of this catalog)

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

Department Head: William I. Dickens, *Professor*

Professor Emeritus: Gordon "Sam" Coker

Professors: Molstad, Moulton

Assistant Professors: Dollar, Maggio, McMillan

Instructors: Evans, C. Davis, T. Gallien

Degree Programs Available Through the Department of Health and Human Performance:

Bachelor of Science program in Health and Human Performance with concentrations in: health & exercise science, and health and physical education K-12 teaching

Master of Science program in Health and Human Performance with concentrations in: sport administration, health promotion, and physical education teaching

The Physical Education Teaching Program is fully accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue, N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 466-7496 and by the National Association for Sport and Physical Education, 1900 Association Drive, Reston, Virginia 20191.

Health and Human Performance

Health and Human Performance Major Requirements: (79-80 Hours) Students seeking a major in Health & Human Performance must complete 28 semester hours of Health & Human Performance core that includes Health Education 1010, 1090, and 4600; Health Education 2000 or Human Performance 2000; Human Performance 2630, 3550, and 3560; and Human Performance Activities and/or Techniques (8 semester hours). In addition, students must complete either 51 semester hours in the Health & Exercise Science concentration or 52 semester hours in the Health & Physical Education K-12 Teaching concentration.

Requirements for Graduation: (a) minimum 2.50 overall grade point average, (b) minimum grade of "C" in each course applied to University Core Requirements and Health and Human Performance Departmental Requirements, including advisor approved electives.

Athletic Training Minor Requirements: (31 semester hours). Students seeking a minor in Athletic Training must take Health Education 1010, 1090, 2010, 2030, 3010, 4030; Human Performance 3550, 3560-3561; Zoology 1220-1221, 1230-1231.

Physical Education, Sport, & Leisure Management Minor Requirements: (21 semester hours) Students seeking a minor in Physical Education, Sport, & Leisure Management must take Health Education 1010, 4000; Human Performance 1110, 2000, 2230, 2270, 4300. Two techniques courses (4 hours) selected from Human Performance 2110, 2170, 2240, 2280, or 2400.

Available Concentrations:

Health and Exercise Science (376A): (51 hours)

Second year: Computer 1020 or 2010 (3 hours); Psychology 2050 or 2450 (3 hours); Nutrition 1030 (3 hours); Speech 1010 (3 hours). Total: 12 hours.

Third year: Business Administration 3250 (3 hours); Health Education 3000 (3 hours); Marketing 2200 or 3230¹ (3 hours); Advisor approved electives (6 hours). Total hours: 15 hours.

Fourth year: Educational Psychology 4400 or Psychology 4400 (3 hours); Health Education 4000 (3 hours); Human Performance 4190 (3 hours); 4200 (9 hours); 4220 (3 hours); 4230 (3 hours). Total hours: 24 hours.

Health and Physical Education, K-12 Teaching (376B): (52 hours)

Second year: Education 2020 (3 hours); Human Performance 2010 (3 hours); 2230 (2 hours); Social Sciences elective² (3 hours). Total: 11 hours.

Third year: Educational Psychology 3000, 3010³ (6 hours); Health Education 4500 (3 hours); Human Performance 3190 (1 hour), 3561 (1 hour); 4150³ (3 hours); Special Education 3460 (3 hours). Total: 17 hours.

Fourth year: Education 4020³ (12 hours); Health Education 4880³ (3 hours); Human Performance 4010³ (3 hours); 4960³ (3 hours); Reading 4080³ (3 hours). Total: 24 hours.

Footnotes:

¹ Prerequisites for Marketing 3230 are Economics 2000 and 2010 (6 hours).

² Selected to meet University core and Louisiana Teacher Certification requirements.

³ Must be admitted to teacher candidacy prior to enrolling in these courses.

Curriculum for Health and Human Performance (376)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Fine Arts 1040	3
Health Education 1010, 1090	5
History 2010 or 2020	3
Mathematics ¹	6
Orientation 1010	1
Natural Science ²	6-7
Social sciences ³	3

33-34

SECOND YEAR	SEM. HRS.
Concentration Requirements ¹	11-12
English 2050, 2060, 2070, or 2080	3
Health Education 2000 or Human Performance 2000 ²	3
Human Performance Activity or Techniques ³	4
Human Performance 2630	3
Social sciences ⁴	3
Zoology 1220-1221, 1230-1231	8
	35-36

THIRD YEAR	SEM. HRS.
Concentration Requirements ¹	17-15
English 3210 or 3230	3
Health Education 4600	3
Human Performance Techniques ⁶	4
Human Performance 3550, 3560	6
	33-31

FOURTH YEAR	SEM. HRS.
Concentration Requirements ¹	24
	24

Total Semester Hours for Degree: 125

Footnotes:

1 Selected to meet University core requirements.

2 Students in 376A Program, 7 hours: CHEM 1070 (3 hours), 1080-1091 (4 hours).

3 Students in 376B Program, 6 hours: Physical Science (3 hours): Choose one course from SCI 1010; CHEM 1030, 1040, 1051, 1070, 1080, 1091; or PHYS 2030-2031, 2510-2511. Biological Science (3 hours): Choose one course from SCI 1020; BIOL 1010-1011; MBIO 2060-2061.

4 Students in 376A Program, 6 hours: PSYC 1010 (3 hours); ECON 2000 (3 hours).

5 Students in 376B Program, 9 hours: Choose from HIST 1010, 1020, 2010, or 2020; ANTH 1510, 2010; ECON 2010, 2020; PSCI 2010, 2020; SOC 1010; PSYC 1010; GEOG 1010, 1020, 2010.

6 Students in 376A Program, 51 hours: Choose courses from those listed in the Health & Exercise Science Concentration. Enroll in advisor-approved electives that are appropriate to your classification. Consult faculty advisor who will assist you in developing a class schedule.

Students in 376B Program, 52 hours: Choose courses from those listed in the Health & Physical Education K-12 Teaching Concentration. Enroll in the courses that are appropriate for your classification. Consult faculty advisor who will assist you in developing a class schedule.

7 Students in 376A Program, 3 hours: HP 2000 (3 hours).

8 Students in 376B Program, 3 hours: HED 2000 (3 hours).

9 Students in 376A Program, 8 hours: Choose two courses from HP 1110, 1120, 1180, 1290, 1370, 1550, 1600, 1620, 1660, 1670 (4 hours). Must take HP 2670 (2 hours). Choose one course from HP 2070, 2080, 2110, 2170, 2270, 2680.

10 Students in 376B Program, 10 hours: HP 2110, 2230, 2240, 2270, and 2280 (10 hours).

Adaptive Physical Education Teacher Certification

(See College of Education, Teacher Certification Programs)

Graduate Program

Master of Science Program in: Health and Human Performance (536)

Undergraduate preparation: A major or minor in Health and Human Performance as defined by Northwestern State University of Louisiana for 505S only.

Degree Requirements: Minimum of 33 semester hours to include (505S):

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration: Human Performance 4360, 5250, 5430, 5470, or 5660.
- C. Support Area: Health Education 4880, 5100, 5200.

- D. Application: 3 semester hours in Education 5950 or 5980.

Available Concentrations:

Sports Administration (536A)

- A. Foundations: (Nine semester hours) Education 5010; Educational Psychology 4400¹; and Computer 5010 or Business Administration 4800 or Educational Technology 5770.
- B. Concentration: 12-24 semester hours including Human Performance 5120, 5130, 5140, 5160, 5190, 5220.
- C. Support Area: 0-9 semester hours.
- D. Application: (Six semester hours) Human Performance 5690 (3 semester hours, research project), and 5990 (3 semester hours, Internship).

Health Promotion (536B)

- A. Foundations: (Nine semester hours) Education 5010; Educational Psychology 4400¹; and Computer 5010 or Business Administration 4800 or Education Technology 5770.
- B. Concentration: 12-24 semester hours including Health Education 5100, 5200, 5300, 5400²; Human Performance 5470; elective approved by committee.
- C. Support Area: 0-9 semester hours.
- D. Application: Health Education 5990 (0-6 hours, Internship); and Health Education 5370 (3 semester hours, research project).

Physical Education (536C)

- A. Foundations: (Nine semester hours) Education 5010, Educational Psychology 4400¹, and Business Administration 4800 or Education Technology elective³.
- B. Concentration: (12 semester hours) Human Performance 4360, 5160, 5350 and 5430.
- C. Support Area: 9 semester hours⁴ chosen from Human Performance 5130, 5140, 5450, 5470, or 5150.
- D. Application: Human Performance 5690 (3 semester hours, research project), or Human Performance 5980 (6 hours, thesis).

¹ Educational Psychology 4400 is a prerequisite for Education 5010 and both of these courses must be completed or taken simultaneously with the Human Performance or Health Education graduate courses.

² Must successfully complete Health Education 5300 prior to enrolling.

³ Education Technology elective. Choose from ETEC 4810, 4820, 5710, 5770.

⁴ Must have graduate advisor's approval.

⁵ Elective hours require the approval of graduate advisor and graduate committee members.

DEPARTMENT OF MATHEMATICS

Department Head: Frank Serio, *Professor*

Professors: S. Chadick, Hanson, Temple, Webb

Associate Professors: DeVault, Galminas, Myers

Assistant Professors: Autrey, Cole, Mersch

Instructors: K. Chadick, Darby, Davis, Donaho, Farmer, Foote, Kelly, Lane, Long, Marcus, Poole, Tarver

Mathematics

Mathematics Major Requirements: (45 semester hours)

Students seeking a major in Mathematics must complete 45 semester hours, within the 121 semester hour Mathematics curriculum, which include Mathematics 1010, 2080, 2100, 2110, 3090, 3100, 3130, 4950, 18 semester hours from 3000-4000 level mathematics courses with at least 6 of these hours from 4000 level courses.

Requirements for a Minor in Mathematics: (20 semester hours) Mathematics 2100, 2110 and ten additional hours selected from 2080, and/or any 3000-4000 level mathematics course(s).

Curriculum for Mathematics (642)

FIRST YEAR	SEM. HRS.
Computer Science 1060	3
English 1010, 1020	6
Fine Arts 1040	3
Health and personal fitness ¹	4
History ¹	3
Mathematics 1010, 2100, 2110	11
Orientation 1010	1
	<u>31</u>

SECOND YEAR	SEM. HRS.
Biology 1010-1011	4
Computer Science 2060	3
English literature ¹ or English 3210	6
Mathematics 2080, 3090, 3130	10
Physics 2510-2511	5
Social sciences ¹	3
	<u>31</u>

THIRD YEAR	SEM. HRS.
Chemistry 1030	3
Electives ²	10
Mathematics 3100, electives ³	12
Science elective ⁴	4
Social sciences ¹	3
	<u>32</u>

FOURTH YEAR	SEM. HRS.
Electives ²	15
Mathematics 4950, electives ³	12
	<u>27</u>

Total Semester Hours for Degree: 121

Footnotes:

¹ Must meet University core requirements.

² It is strongly recommended that a minor be in an area of computer science, physics, or chemistry.

³ Upper level mathematics or Statistics 4270. At least 6 hours must be above 4000.

⁴ Selected from Biology 1020-1021, Chemistry 1040, 1031, 1041, or Physics 2520-2521.

DEPARTMENT OF MILITARY SCIENCE

Reserve Officers' Training Corps

General Military Science Program

Coordinator: LTC Teresa Galgano, Professor

Assistant Professors: Major Eisenmann, Captains Periat, Duthu

Instructors: Master Sergeant Davila, 1SG Rightenour

Purpose

The senior ROTC program at NSU is voluntary. Successful completion of ROTC will qualify students for commission as officers in the Army, the U.S. Army Reserve or the Army National Guard upon graduation. Students may minor but not major in Military Science.

Four-year Program

The four-year program is divided into two parts: (1) Basic Course, first two years and (2) Advanced Course, including summer camp, last two years.

The Basic Course consists of classroom instruction for a minimum of one hour and a two-hour laboratory per week. No commitment is incurred by students who enroll in the Basic Course.

The Advanced Course consists of classroom instruction for a minimum of two hours per week, a two-hour laboratory for two academic years and attendance at a five week summer camp, normally between the junior and senior academic year. Advanced Course students are required to do physical training three hours per week as part of the laboratory. Also, Advanced Course students must take at least one course from each of the following academic areas: Written Communications skills; Military History; Computer Literacy; Mathematics; and Human Behavior (Social Sciences or Psychology). Specific requirements are available from the Military Science department.

Two-year Program

The two-year program allows qualified sophomores and juniors to enter the Advanced Course program in one of five ways:

1. Completion of the Leaders Training Camp in the summer before their junior year.
2. Honorably discharged prior service students, who were eligible to reenlist and who will be under the age 30 on the date of commissioning/graduation.
3. Current members of the Army Reserve or Army National Guard who enroll in the Simultaneous Membership Program (SMP).
4. Accelerated Cadet Commissioning Training (ACCT).
5. Alternate Entry Option (AEO).

Enrollment

To be eligible for enrollment in the Basic Course, a student must:

1. Be accepted by the University as a full-time enrolled student.
2. Be at least 17 years of age at time of enrollment.

To be eligible for enrollment in the Advanced Course, a student must, in addition to the above:

1. Be a citizen of the U.S.

2. Be physically qualified under standards prescribed by the Department of the Army.
3. Be enrolled as a full-time student.
4. Apply for admission into the Advanced Course.
5. Be accepted by the Professor of Military Science.
6. Be at least 17 and not more than 27 years of age at the time of enrollment and graduate before the age of 30. (Age waivers to age 34 are possible for exceptional students).
7. Have a cumulative grade point average of at least 2.0.
8. Have completed the ROTC Basic Course or equivalent as listed under the two-year program.
9. Be classified as an academic junior by the University.

Scholarship Program

Two, three, and four-year Army ROTC scholarships as well as civic scholarships provide financial assistance for qualified and selected students who exhibit strong motivation toward careers as officers in the United States Army. An Army ROTC scholarship will pay all tuition expenses, \$300 per semester for books, mandatory laboratory expenses (except Aviation fees), and provides a tiered stipend of \$250, \$300, \$350, and \$400 for each academic year respectively during enrollment. Qualified ROTC scholarship winners also receive a Northwestern State University "ROTC Plus Package Scholarship" which offsets dormitory and meal plan fees.

To apply for an ROTC scholarship, the student must:

1. Display a strong desire for a career as an officer in the Regular Army.
2. Be a citizen of the U.S.
3. Have a minimum cumulative GPA of 2.5 and ACT score of 19 or higher.
4. Be at least 17 years old by October of the year in which the application is made.
5. Agree to accept a commission if offered.
6. Agree to serve at least four years on active duty.

Commissions

Upon completion of the Advanced Course and graduation from the University, a student may be commissioned as a Second Lieutenant to serve on active duty or be offered a commission in the U.S. Army Reserve or National Guard. Commissions in the Army Reserve or National Guard can be guaranteed to individuals who express this preference. A delay to enter into active duty may be granted to students who desire to pursue full-time courses of instruction leading toward advanced degrees. Commissionees incur an eight year service commitment. Non-scholarship students can serve on active duty or serve in the National Guard or Reserves in an active or inactive status, or any combination thereof totaling eight years. Scholarship students are expected to serve on active duty for four years with a three or four year scholarship or three years with a two year scholarship.

Uniforms and Equipment

The government lends all uniforms, and equipment required at each level of the program. (These items must be returned upon leaving the ROTC program at NSU or upon commissioning.)

Allowances

Advanced Course students and ROTC Scholarship recipients receive non-taxable subsistence pay ranging from \$250 - \$400 per month during the school year and one-half of a Second Lieutenant's pay (approx. \$800.00) during ROTC summer camp. All travel expenses are reimbursed and room and board is provided during camp.

Special Summer Training

Special 3-4 week Summer training opportunities are available to selected Basic Course and/or Advanced Course students who volunteer and are qualified. This training includes Airborne School; Air Assault School; Northern Warfare School; Mountain Warfare; Survival Evasion Resistance Escape; United Kingdom UTOC; and Cadet Troop Leader Training Program. Travel expenses, room and board are provided for these U.S. Army Schools.

Military Science Minor Requirements

A student may earn a minor in Military Science by completing a total of 19 semester hours from any combination of Military Science courses. Additionally, History 2100 may be used to satisfy three semester hours of minor requirements.

THE LOUISIANA SCHOLARS' COLLEGE

Director: Margaret Cochran, *Associate Professor*

Professors: D'Amato, Snowden

Associate Professors: Jensen, Means, Phifer, Schicketanz, Stave, Wolffe

Assistant Professors: Hayden, Muravitsky, Phelps, Picht

Established by the Louisiana Board of Regents for Higher Education in 1987, the Louisiana Scholars' College serves as the state's selective-admission honors college of the liberal arts and sciences. Its mission is to provide a rigorous, customized honors education firmly grounded in the liberal arts and sciences to highly motivated students. Building upon a broad and coherent Common Curriculum and through close collaboration with one or more faculty advisors, students choose to design individualized plans of study for a Major in Liberal Arts with a Concentration in one of four areas – Humanities and Social Thought, Scientific Inquiry, the Fine and Performing Arts or Foreign Language – or pursue advanced study in a traditional Major offered in cooperation with the Colleges of Liberal Arts, Science and Technology, Business, and Education. Each of these undergraduate curricula culminates in a senior thesis or project.

I. THE COURSE OF STUDY

The academic experience in the Louisiana Scholars' College has three components: a.) the **Common Curriculum** required of all students; b.) a traditional **Major** or individualized **Concentration** within the Major in Liberal Arts; and c.) a selection of **Additional Electives**.

An Overview of the Curriculum

Total Credits

THE COMMON CURRICULUM	66-67
THE MAJOR OR CONCENTRATION	42-86
APPROVED ELECTIVES (varies by major or concentration)	0-24
TOTAL CREDITS FOR GRADUATION	123-152

A. THE COMMON CURRICULUM

The Common Curriculum is a comprehensive, integrated, four-year course of study undertaken by all students in the College. This series of largely Great Text-based courses substitutes for the University core curriculum. No grade lower than a C may be used to satisfy Common Curriculum requirements.

SCCT 1810, 1820, 2810, 2820 Text and Traditions I-IV	20
SCCT 3810 Democratic Vistas	4
SCCT 4810, 4820 Senior Colloquium	4
SCRT 181W Critical Reading, Critical Writing	4
SCPN 1830-31, 1910-11, or 1920-21 Biology or Ecology	4
SCPN 1840-41 or PHYS 2030-31 or 2510-11	4
A two-semester science sequence from those listed above	4
SSCI 2010, 2020, and 2030 Science Seminar	3
SMAT 2810 or 2 of SMAT 1820, 1830, and 1840	6
SFRF 1810, 2810, 2820; SGER 1810, 2810, 2820; SLTN 1810, 2810, 2820; or SSPN 1810, 2010, 2820	12
SCSC 1810 Computer Applications	1
SOR 1010 Orientation	1
	67

B. THE MAJOR OR CONCENTRATION

Students in the Louisiana Scholars' College deepen their understanding of a specialized area of inquiry, while preparing for advanced study and careers in professions such as medicine, law, business, education, scientific research, public administration, the foreign service, and many other fields. Depending upon their interests, they may pursue either a traditional Major in a single discipline, or a multidisciplinary or interdisciplinary Concentration within the Major in Liberal Arts, a unique program which offers students a greater opportunity to develop an individualized degree program of enhanced academic rigor. Each option emphasizes the flexibility of mind, the breadth of experience, and the solid grounding in the liberal arts increasingly demanded by corporations and the professions. Students are expected to declare a major and begin to focus their academic program by the end of the sophomore year.

Traditional Majors

In cooperation with the Colleges of Business, Education, Liberal Arts, and Science and Technology, Scholars' College students may pursue a variety of traditional majors by undertaking specified advanced work in academic departments outside the Scholars' College. Majors in the following areas lead to the Bachelor of Arts degree: Anthropology, Elementary Education, English, English Education, History, Journalism, Political Science, Social Sciences, Sociology, and Theater. Students interested in performance may complete the Bachelor of Music degree. The Bachelor of Music Education is also available with concentrations in Instrumental Music and Vocal Music. The Bachelor of Fine Arts has concentrations in Graphic Communication and Studio Art. In addition, the following majors are available, leading to the Bachelor of Science degree: Accounting, Biology, Business Administration, Chemistry, Computer Information Systems, Physics, and Psychology. Students electing to pursue one of these majors will be assigned an advisor in the major department, in addition to their Scholars' College advisor, specifically to direct the student's work within the major. The required courses for Scholars' College students completing majors in other colleges are listed at the end of this section. All students must complete the Common Curriculum (no grade lower than a C may be used to satisfy this requirement); specific core choices as well as support courses required for individual majors are indicated with the major courses and number of electives. Majors requiring a minor are also indicated. Students in all majors are required to complete a senior thesis in their area.

Major in Liberal Arts

Within the Major in Liberal Arts, each of the Concentrations—Humanities and Social Thought, Scientific Inquiry, the Fine and Performing Arts, or Foreign Language—requires that students complete at least 45 credits, including the thesis, from a list of approved courses in the appropriate disciplines. Those majoring in the Liberal Arts are expected to submit a Declaration of Concentration at the end of the sophomore year, articulating the direction of their academic program, its organizing principles, and its purpose. Although specific requirements are minimal, allowing flexibility in the choice of

courses, students are expected to work in close consultation with one or more faculty advisors to design a coherent course of study. This academic plan should be multidisciplinary or interdisciplinary in nature, yet should have a clear focus, provide for both breadth and rigor, and prepare the student to complete the senior thesis or project.

This major is especially well suited for students planning to attend medical school or law school.

In addition, the Board of Elementary and Secondary Education (BESE) has approved specific choices of courses within this major, together with the professional education core, to meet the requirements of teacher certification in secondary education fields. For detailed curricula, please see the Director of the Scholars' College or the Coordinator of Teacher Candidacy and Certification in the College of Education.

Students concentrating in Humanities and Social Thought will choose from courses in such disciplines as anthropology, classics, economics, history, foreign languages, literature, philosophy, political science, and sociology. Those concentrating in Scientific Inquiry will select from offerings in the life sciences, the physical sciences, and mathematics and computer science. Students in the Fine and Performing Arts Concentration focus their studies on the history and performance of the visual arts, music, dance, or theater. Students in the Foreign Language concentration will choose from courses in English, French, German, History, Latin, and Spanish. Lists of approved courses for all concentrations are available in the Scholars' College office, 110 Morrison Hall.

The Liberal Arts major may not be used to duplicate any existing degree program.

C. THE THESIS

The thesis project is the culmination of a student's academic work. Though theses will vary in length and scope, each is to be a substantial work of scholarship, criticism, scientific research, or artistic execution. The thesis should demonstrate the student's familiarity with existing work in his or her field, together with the ability to define a significant topic or problem, to carry out independent scholarly research, to analyze evidence, and cogently to sustain a complex written argument. At the completion of the project, each student presents and defends his or her work to the College and the University community at large.

Each year the College publishes a Thesis Calendar of due dates and guidelines for those who are researching and writing or performing senior projects.

D. APPROVED ELECTIVES

Many of the courses in the Common Curriculum, the Majors, and the Concentrations are, in effect, electives, chosen by the student in consultation with the advisor. The phrase "Approved Electives" refers to those credits, which vary from major to major, over which the student exercises virtually complete control, subject to the expectation that these courses be part of a rigorous and coherent academic plan. Scholars' College electives include: any course offered by the college; courses used to complete a minor or a second major; additional courses in the major area of interest; performance or other courses in the arts (no more than 8 hours of ensembles may be counted towards graduation requirements); courses required for performance scholarships; HED 1010; and credits earned by international study. The advisor and the Director must approve other electives.

E. OPPORTUNITIES FOR STUDY ABROAD

Through Northwestern International, the International Student Exchange Program (ISEP), The Council for the Development of French in Louisiana (CODOFIL), and the In-

ternational Mission for the Coordination of Franco-American Exchanges (MICEFA), undergraduates in the College are eligible to take part in a wide variety of foreign study programs. Over the past several years, students have traveled with College faculty in Italy and have studied at participating ISEP institutions in Canada, Mexico, Great Britain, Ireland, Finland, Sweden, Iceland, the Netherlands, and Malta, to name a few. Northwestern is also part of the Classical Consortium of the University of Louisiana System, a member of the Intercollegiate Center for Classical Studies in Rome (ICCS), providing students with an opportunity to study ancient history and archeology, Greek and Latin literature, and ancient art in Rome.

II. ACADEMIC ADVISING

The flexibility and individualized nature of the College curriculum and the high degree of autonomy exercised by students in shaping their academic programs makes the advising process especially important. All students are assigned an advisor within the College, with additional advisors from the College or University assigned as warranted by the student's interests. Those electing to pursue a major other than Liberal Arts will be assigned an advisor in the major department, in addition to their Scholars' College advisor, specifically to direct the work within the major. Each student's progress is subject to periodic review by faculty advisory groups, as well as by the Director of the College.

III. THE HONOR CODE

The community of students, faculty, and staff of the Louisiana Scholars' College trusts that its members will act honorably in every endeavor. The College's Honor Code promotes individual and communal responsibility and directly involves all of us in maintaining our academic community. This Code represents a voluntary and internal standard, separate from state and University regulations, for encouraging the highest level of individual respect and ethical behavior.

IV. GRADUATION REQUIREMENTS AND HONORS

All those who satisfactorily complete the Common Curriculum (no grade lower than a C may be used to satisfy this requirement), their Major or Concentration requirements, their other senior course work, and their thesis while earning a cumulative Grade Point Average of 3.0 or higher, are awarded the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, or Bachelor of Science degree in the Louisiana Scholars' College at Northwestern State University. The Major, Concentration, and thesis title are recorded on each graduate's transcript. Those whose academic record and thesis reflect unusual intellectual accomplishment and who have been active in the life of the College and University are chosen each year by the faculty to be awarded degrees "with distinction" or "with highest distinction." Scholars' College students are also eligible to receive the scholastic honors *cum laude*, *magna cum laude*, and *summa cum laude* from the University.

V. ADMISSION

The College seeks highly motivated students interested in an exciting liberal arts education. Candidates begin by submitting the College's application for admissions and scholarships, together with teacher and guidance counselor recommendations, and an essay. An interview, either in person or by telephone, is required, and a campus visit is strongly encouraged. Requirements include:

1. ACT composite of at least 25 or SAT composite of at least 1130; and
2. no ACT subscore below 20 or no SAT subscore below 480; and

- unweighted high school grade point average in the Regents' Curriculum of at least 3.0 on a 4.0 scale; and
- satisfactory evaluation of strength of high school program, counselor and teacher recommendations, essay, interview, honors and activities by the Scholars' College Admissions Committee.

Students who fail to meet one of the items above may be considered for provisional admission for one semester, after which their performance will be reevaluated and admission to the College either offered or denied. Admission decisions are made on a rolling basis as applicants' files are completed, until the entering class is filled. Students are encouraged to complete their applications by December 1 to meet scholarship priority deadlines, although later applications are welcome. For further information, contact the College or the Office of University Recruiting at Northwestern State University.

VI. SCHOLARSHIPS, WORK-ASSISTANTSHIPS, AND FINANCIAL AID

The College's Application for Admission serves as an application for all academic scholarships the University offers, including the prestigious Louisiana Scholars' College Scholarship. Undergraduate work-assistantships are also available assisting in the library, in the computer center or scientific laboratories, in the office of the College, or in some other area of particular interest to the student. In addition to academic awards, students in the College may also qualify for Pell grants, PLUS loans, ROTC scholarships, and other forms of financial assistance. Students who are not Louisiana residents may qualify for out-of-state fee waivers.

VII. MORE INFORMATION

For more information about the College and its academic programs, please consult the *Curricular Guide*. Copies may be requested from the Louisiana Scholars' College, Northwestern State University, Natchitoches, LA 71497-0002.

Joint Majors Programs

All students must complete the Common Curriculum; specific core choices as well as support courses required for individual majors are indicated with the major courses and number of electives. Majors requiring a minor are also indicated. Students in all majors are required to complete a senior thesis in their area; the thesis is listed as a support course unless it is substituted for courses in the major.

College of Business

Accounting (800): specific core requirements – SMAT 1820 and 1840, or SMAT 2810; support courses: SECO 2810, SSTA 3810; major courses – ACCT 2000, 2010, 3060, 3080, 3180, 3190, 3200, 4020, 4080, BUAD 3250, 3260; CIS 1800, 3100; FIN 3090; MGT 3220, 3580, 4300; MKTG 3230; SBUS 4000, 480T, 482T. LSC electives – none.

Business Administration (810): specific core requirements – SMAT 1820 and 1840, or SMAT 2810; support courses: SECO 2810, SSTA 3810; major courses – ACCT 2000, 2010; BUAD 3250, 3270; CIS 1800, 3100; FIN 3090, 4200; MGT 3220, 3580, 4300; MKTG 3230; 18 hours of advanced Business electives (including SECO); SBUS 4000, 480T, 482T. LSC electives – none.

Computer Information Systems (802): specific core requirements – SMAT 1820 and 1840, or SMAT 2810; support courses: SECO 2810, SSTA 3810; major courses – ACCT 2000,

2010; BUAD 3250; CIS 1030, 2020, 2980, 3100, 3400, 3900; FIN 3090; MGT 3220, 3580, 4300; MKTG 3230; SBUS 4000, 480T, 482T; and one of the following concentrations: (**Application Development (802A)**) CIS 3000, 4000, 4020, 4600, and one CIS advanced elective. (**E-Commerce (802B)**) CIS 3020, 4020, 4030, 4100, and 4600. LSC electives – none.

College of Education

English Education (874A): no specific core requirements; support courses: health and personal fitness core; SLSC 4000, SHUM 480T, 482T; major courses – EDUC 2020, 3020, 3140, 4010, 4020; EPSY 3000, 3010; RDG 4080; SPED 3460; ENGL 3200, 3210, 4190, 4640; 9 hrs from ENGL 3100, 3150, 3160, 3170; 3 hrs from ENGL 4350, 4360, 4570, 4590, or any 3000 or 4000 level SENG. LSC electives – none.

College of Liberal Arts

Anthropology (852): specific core requirements – one of SCPN 1830, 1831, 1850, and 1851, or SCPN 1910, 1911, 1920, and 1921; support courses: SLSC 4000, SHUM 480T, SHUM 482T; major courses – ANTH 2010, 2020, 3020, 3050, 4080, and 18 hrs of ANTH electives. LSC electives – 19 hrs. Student must also satisfy a minor.

English (822): no specific core requirements; support courses: SLSC 4000, SHUM 480T, SHUM 482T; major courses – one of the following concentrations: (**Literature (822A)**): ENGL 3100, 3150, 3160, and 3170; three semester hours from ENGL 3200, 4000, 4100, 4110 or 4660; three semester hours from ENGL 4420; ENGL 4450; and twelve semester hours of advanced ENGL or SENG literature courses. (**Professional Writing (822B)**): three hours from ENGL 2090, 2100, or 2610, three semester hours from ENGL 3200 or 4660; three semester hours from ENGL 4000, 4100, 4110; ENGL 4080, and 21 semester hours of advanced ENGL writing, linguistics, rhetorical theory, or composition studies. LSC electives – 21 hrs. Student must also satisfy a minor.

Fine and Graphic Arts (812): no specific core requirements; support courses: FA 1040, SLSC 4000, SFPA 480T, SFPA 482T; major courses – ART 1010, 1020, 1060, 1070, 1220, 1230, 2000, 2010, 2050, 2090, 2240, 3110, 4030, 4100; FA 1040; PHOT 1050, 1051; and one of the following concentrations: (**Graphic Communication (812A)**) ART 1110, 1120, 2100, 2110, 3100, 3500, 4030, 2150, 2151, 4180, 4400. (**Studio Art (812B)**) 30 hours from ART 2020, 2060, 2070, 3010, 3020, 3120, 3250, 4000, 4030, 4120, 4130, 4220, 4450, 4460. LSC electives – 9 hours. Students must also satisfy a minor.

History (858): no specific core requirements; support courses: SLSC 4000, SHUM 480T, SHUM 482T; major courses – HIST 1010, 1020, 2010, 2020, 3990; 21 hrs of advanced European and American History (HIST) – 9 hrs in one field and 12 hrs in the other. LSC electives – 18 hrs. Student must also satisfy a minor.

Journalism (823): no specific core requirements; support courses: PHIL 2020 or SPHI 2820; PSCI 2010 or 2020, SECO 2810; SLSC 4000, SHUM 480T, 482T; major courses – JOUR 1980, 2010, 2510, 3040, 4200, 4700, MKTG 3230, SSTA 3810; and one of the following: (**Broadcast (823A)**) JOUR 3420, 3450, 3470, 4400, 4440, 3 hr JOUR elective; (**News editorial (823B)**) JOUR 2520, 3080, 3260, 3530, 4010, 4100 or 4500, 3 hr JOUR elective; or (**Public relations (823C)**) JOUR 3060, 3530, 3600, 3660, 4060, 3 hr JOUR elective. LSC electives 9 hrs. Student must also satisfy a minor.

Music (813): specific core requirements – SFRE 1810, 2810, and 2820; or SGER 1810, 2810, and 2820; support courses: SLSC 4000, SFPA 480T, SFPA 482T; major courses – MUS 1150, 1151, 1160, 1161, 1500 (x6), 2030, 2040, 2150, 2151, 2160, 2161, 3030, 3040, 3090, 4010, 4060, 7 credit hours of ensembles, 4 credit hours of piano and one of the following concentrations: (**Performance (813A)**) MUS 1710 (3 hrsx4), 3710 (3 hrsx4), 4150, 4390, 4720, 4 credit hours in minor performance study, 1 additional hour of ensembles. (**Sacred Music (813B)**) MUS 1710 (2 hrsx4), 3710 (2 hrsx3), 1230, 2120, 2130, 3120, 3130, 4120, 4720, MUED 4520, 1 additional hour of diction or vocal ensemble, 4 credit hours in minor performance study (vocal students must elect organ and keyboard students must elect voice). No grade in music lower than a C may be counted toward the major or as a prerequisite.

Music Education (824): no specific core requirements; support courses: health and personal fitness core: SLSC 4000, SFPA 480T, 482T; major courses – EDUC 4020, 4040; MUED 2020, 3140, 4010; EPSY 3000, 3010; RDG 4080; MUS 1150, 1151, 1160, 1161, 1500, 2030, 2040, 2150, 2151, 2160, 2161, 3030, 3040, 3090, 3110, 4010, 8 hrs of MUS 1710, 6 hrs of MUS 3710; and one of the following: (**Vocal music concentration**) MUS 1210, 1220, 1230, 4150, 4520, 8 hrs of piano, 1 hr of MUS 1310, 1340, or 2110, 7 hrs from MUS 1320, 1340, 1380, or 1430; or (**Instrumental music concentration**) MUS 1840, 1860, 1880, 1890 4050, 4 hrs of piano, 1 hr from MUS 1320, 1430, or 1910; 2 hr technique electives; 7 hrs of MUS 1310, 1340. LSC electives – none.

Political Science (853): no specific core requirements; support courses: SECO 2810; SLSC 4000, SHUM 480T, 482T; major courses – PSCI 2010, 2020, 2910, 3090, 4150, and 15 hrs of PSCI electives with at least 6 hrs in each of American Studies and International Studies. LSC electives – 18 hrs. Student must also satisfy a minor.

Psychology (859): specific core requirements – SCPN 1830, 1831, 1850, 1851; support courses: SLSC 4000, SHUM 480T, 482T; major courses – PSYC 1010, 2430, 3010, 3020, 3080, 4030, 4400, 4410, 4450, 4480, 4510, and six semester hours of psychology electives as approved by the advisor. LSC electives – 16 hrs. Majors may not count any grade in psychology lower than a C towards the major.

Social Sciences (856): no specific core requirements; support courses: SLSC 4000, SHUM 480T, 482T; major courses – a minimum of 21 semester hours in one discipline from anthropology, economics, geography, history, philosophy, political science, psychology, sociology, and social studies and 18 semester hours in a second discipline. LSC electives – 18 hrs. Student must also satisfy a minor.

Sociology (857): no specific core requirements; support courses: PSYC 1010; SLSC 4000, SHUM 480T, 482T; major courses – SOC 1010, 2020, 3040, 3080, 3200, 4080, 4120, 4190, 4400, 4600 and six semester hours of sociology electives, three of which may be anthropology. LSC electives – 15 hrs. Student must also satisfy a minor.

Theater (814): no specific core requirements; support courses: SLSC 4000, SFPA 480T, SFPA 482T; major courses – DAN 3060, SPCH 1020, THEA 1010 (x2), 2300, 2310, 2320, 2340, 2350, 2360, 3010 (x2), 3350, 3370, 4360, 4370; one of THEA 3120 or 3220; one of THEA 2330 or 3320; THEA 3380 or other approved Theater Literature. LSC electives – 9 hrs. Student must also satisfy a minor.

College of Science and Technology

Biology (838): core requirements – SCPN 1830, 1831, 1840, 1841, 1850, 1851, 1860, 1861; SMAT 2810; support courses: SCHM 3810, 3811; SMAT 2820; SLSC 4000; SSCI 480T, 482T; major courses – BIOL 3060 or SSTA 3810; BIOL 3270, 3300, 3301, 4400, 4401; BOT 2100, 2101; MBIO 2060, 2061; BIOL 4900 or MBIO 4900; 12 hours in one biology concentration: **Biomedical** – ZOOL 2060-61, 3170-71, 4210-11; MBIO 4120-21, 4190-91; BIOL 4020-21, VTEC 3010; **Natural Science** – ZOOL 2050-51, 2290, 3010-11, 3340, 3361; BOT 2140-41; FOR 2150-51; **Applied Biology** – AGRI 1040; ASCI 3040, 3060, 4200-4201; MBIO 4210-4211; ZOOL 3010-11. LSC electives – 3 hrs.

Chemistry (836): core requirements – SCPN 1830, 1831, 1840, 1841, 1850, 1851, 1860, 1861; SMAT 2810; support courses: PHYS 2030, 2031, 2040, and 2041 or PHYS 2510, 2511, 2520, 2521; SCHM 3810, 3811, SMAT 2820; major CHEM 1010, 2110, 2111, 2140, 2141, 3210, 3211, 3220, 3221, SCHM 3810, 3811, 3820, 3821, 4900 (x2), plus a concentration area: (**Professional**) CHEM 4040, 4041, 4140, 4160, 4161, MATH 3130 or SMAT 3810, SLSC 4000, SSCI 480T, 482T, LSC electives – 3 hrs; (**Biochemistry**) SCHM 4810-11, 4820, MBIO 2060, 2061, SLSC 4000, SSCI 480T, 482T, plus a minor in Biology or Microbiology; (**Technology and Management**) SECO 2810, ACCT 2000, 2010, SSTA 2810, BUAD 3120, MGT 3220, MKRT 3230, SLSC 4000, SSCI 480T, 482T.

Physics (832): core requirements – SCPN 1830, 1831, 1840, 1841, 1860, 1861; SMAT 2810; support courses: SMAT 2820, SLSC 4000, SSCI 480T, 482T; major courses – PHYS 1010, 2510, 2511, 2520, 2521, 3291, 3710, 4100, 4510, 4620, 4830, 4900(x2), 4 hrs of physics electives; MATH 3130 or SMAT 3810; MATH 3160 or SMAT 3830; LSC electives – 8 hrs.

Major in Liberal Arts

To better distinguish this major from professional discipline areas (e.g., Criminal Justice, Journalism, Social Work, Music/Dance/Theater Performance), the following courses may not be applied towards concentration requirements for this degree: CIS 4220; DAN 1100, 1110, 1120, 1130, 1140, 1150, 1170, 1180, 4800; JOUR 1980, 2980, 3420, 3450, 3470, 3980, 4400, 4440; MUS 1010, 1020, 1040, 3090, 3100, 4400; SOWK 3120, 3130, 3140, 3180, 4050, 4220; THEA 4250, 4360, and 4390.

For a major: Common requirements—SCRT 181W; SCTT 1810-20, 2810-20, 3810, 4810-20; SFRE, SGER, SLTN, or SSPN 1810, 2810-20; SMAT 2810 or two of SMAT 1820, 1830, 1840; one of the following science and lab sequences: SCPN 1830-31-50-51, 1840-41-60-61, 1910-11-20-21, PHYS 2030-21-40-41, or 2510-11-20-21 plus one additional course and lab from this list, chosen to include at least one life science and one physical science; SSCI 2010-20-30; SOR 1010; SCSC 1810; 8 hours of electives, plus completion of a concentration.

Concentration in Humanities and Social Thought: One of SART 3820; SECL 3800; SECO 3840, 3850, 3860; SHIS 3700, 3710; SHST 3820; SLSC 3800, 3810, or 4810; one of SBIO 3880; SENG 3810, 3820, 3880; SHIS 3880; or SPHI 3880; and 22 hours of humanities or social science electives (3000 level or above); 9 hours of humanities or social science electives; SLSC 4000, SHUM 480T. At least 24 hours, exclusive of thesis must be courses with Scholars' College prefixes.

Concentration in Scientific Inquiry: 24 hours of science electives (3000 or above); 20 hours of science electives; and SSCI 480T, 482T; SLSC 4000—125 hours.

Concentration in Fine and Performing Arts: 24 hours of fine arts electives (3000 or above)³; 15 hours of fine arts electives³; SFPA 480T, 482T; SLSC 4000; and 3 hours of electives—123 hours.

Concentration in Foreign Language: 12 hour of a second foreign language; ENGL 3200; SLTN 2880; SHUM 480T, 482T and SLSC 4000 on topic pertaining to target language; and one of the following options — 123 hours:

French – SFRE 1810, 2810, 2820; one of SHIS 3810, HIST 3220, HIS 3250 or 3 hours of history of at least one country where French is spoken; SFRE 3810; 3 hours of French conversation; SFRE 2840; 9 hours from SFRE 3810, 3890, FREN 3060, 3070, 4030, or FREN 4090.

German – SGER 1810, 2810, 2820; one of SHIS 3880 (Bismarck or Hitler), HIST 4440 or 3 hours of history of at least one country where German is spoken; 3 hours of advanced German composition; GERM 3030; SGER 3850 or GERM 4050; 9 hours from SGER 3810, 3890, GERM 3010, 3030, or 4010.

Latin – SLTN 1810, 2810, 2820; one of SHIST 3810, 3880 (Augustus), HIST 3090, 3100, 4040 or 4150; SLTN 4850, 4860; 3 hours from SART 2000, 3810, 3820, or SCLA 3810; 9 hours from SLTN 3810, 3890.

Spanish – SSPN 1810, 2810, 2820; 3 hours of history of at least one country where Spanish is spoken; SPAN 3060 or 3070; SPAN 4210; SPAN 3080 or 3090; 9 hours from SSPN 2830, 3890, SPAN 3100, or 3110.

Students completing their degrees outside the Louisiana Scholars' College substitute the NSU core, 12 hours of study in a single foreign language, and 3000 and 4000 level free electives for the common requirements and six hours of concentration electives at the 4000 level for the thesis. Degrees outside the Louisiana Scholars' College will be administered by the College of Liberal Arts (Fine and Performing Arts, Foreign Language, or Humanities and Social Thought) or the College of Science and Technology (Scientific Inquiry).

For a minor: 24 hours distributed as follows: at least 8 credit hours taken from courses with the following prefixes: SBIO, SCHM, SECL, SLSC, SMAT, SSCI, and SSTA; at least 8 credit hours taken from courses with the following prefixes: SANT, SART, SCLA, SECO, SENG, SFPA, SFRE, SGER, SGLT, SHIS, SHST, SHUM, SLSC, SLTN, SPHI, SSOT, and SSPN; and additional courses from such areas as biology, chemistry, ecology, mathematics, interdisciplinary sciences, statistics, anthropology, art history, classics, economics, English, French, German, history, interdisciplinary humanities and social thought, Latin, philosophy, sociology, and Spanish. At least 12 hours must be taken at the 3000 or 4000 level. No more than 4 hours taken at the 1000 level may be applied to the minor. Up to 6 hours may be taken outside the Scholars' College in equivalent disciplines.

Minor in Classics: At least 21 hours of Latin (SLTN) and classical studies, to include: SLTN 1810, 2810, 2820, 2880; and one course in the art, civilization, culture, or history of ancient Greece or Rome.

Footnotes:

¹ to include at least one interdisciplinary course; Scholars' College students are required to complete at least one upper-level course in which a significant term paper is required and a Major Figure course. It is suggested that Scholars' College students include at least one course in each of the three remaining "Ways of Knowing" (with no more than 1 at the 2000 level). At least 20 hours of humanities electives must come from courses with Scholars' College prefixes. Interdisciplinary courses: SART 3820; SECL 3800; SECO 3840, 3850, 3860; SHIS 3700, 3710; SHST 3820; SLSC 3800, 3810, 4810. Ways of Knowing: Major Figures—SBIO 3880; SENG 3810, 3820, 3880; SHIS 3880; SPHI 3880. Theory and Method—PHIL 2020, 2030, 4030; SART 3810; SECL 3800; SECO 2810,

4830; SENG 2810, 3840, 3850; SHST 3820; SMAT 2830; SSOT 2830. Period Study—SART 2000; SENG 3830, 3860; SGER 3810, 3850; SGLT 3810; SHIS 2010, 3700, 3710, 3720, 3810, 3840, 4820; SHST 3810; SLSC 3800, 3810; SPHI 2830, 2840, 3810, 3820, 3830. Social Institutions and Processes—SECO 3850; SENG 3510; SHIS 3810, 3840; SPHI 2820, 2850, 2860, 4810; SSOT 3810. No course may fulfill more than one category in any curriculum. Students may petition for permission to count other courses.

² to include a second semester of calculus; a 2 course sequence in both life and physical science with labs; an additional computer science, math or statistics elective at the 2000 level or above; and a course in logic (math or philosophy), ethics, or the history or philosophy of math or science; Scholars' College students must also complete at least 2 hours of a science research seminar.

³ electives must include at least 28 hours in one discipline and 3 hours from a second discipline, i.e., art, dance, music, photography, theatre.

⁴ included in core requirements.

⁵ open university students may substitute one of the following sequences: FREN 1010, 1020, 2010, 2020; GERM 1010, 1020, 2010, 2020; or SPAN 1010, 1020, 2010, 2020.

⁶ three additional hours of advanced composition or translation for Latin.

COURSES OF INSTRUCTION

Since its inception in the Fall of 1987, the Louisiana Scholars' College has regularly developed and offered new courses, many of them stimulated by student requests. A major grant from the National Endowment for the Humanities funded three summers of work for faculty to develop the Common Curriculum. For more information, contact the Director of the Louisiana Scholars' College.

The first figure in parentheses following each course title indicates the credit hour value of the course; the second figure indicates the number of 50-minute lecture periods the class meets per week in a regular semester; the third indicates the laboratory hours per week.

SANT 3890. DIRECTED STUDY IN ANTHROPOLOGY. (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SART 2000. SEMINAR IN ART HISTORY. (4-4-0). Special topics in art history. Cross-listed as SCRT 181W. Open as SART 2000 only to students who have completed a different SCRT 181W subtitle. May be repeated for credit as topics vary. Subtitle: Greek and Roman Art: A General Survey. An overview of the development of Greek and Roman art, organized to complement Texts and Traditions I.

SART 3810. THE CLASSICAL TRADITION IN WESTERN ART. (4-4-0). The classical tradition in art from early Greek civilization to its influence in contemporary works, with special attention to Late Antiquity, the Carolingian Renaissance, the Italian Renaissance of the fourteenth and fifteenth centuries, the Neo-classical movement of the eighteenth and nineteenth centuries, and the twentieth century.

SART 3820. ROME: URBS AETERNA. (3-1-4). Examination of the art and culture of Rome, from its beginnings to Mussolini's attempted resurgence. Includes a two-week stay in Rome, readings and research before departure, and completion of a research paper upon return.

SART 3890. DIRECTED STUDY IN ART HISTORY. (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SBIO 3810. FORM AND FUNCTION IN BIOLOGICAL SYSTEMS. (3-3-0). Seminar on relationships between anatomical structure, physiology, and adaptation in living organisms, including plants, invertebrates, and vertebrates. Satisfies the research seminar requirement for students in the Scientific Inquiry Concentration of the College. Prerequisite: two semesters of biological science or consent of instructor.

- SBIO 3820. COMPARATIVE NEUROBIOLOGY.** (4-3-2). Survey of basic neurophysiology, comparative and vertebrate functional neuroanatomy, neural development, and the neural basis of behavior. Prerequisite: two semesters of general biology or consent of instructor.
- SBIO 3880. DARWIN AND EVOLUTIONARY THEORY.** (3-3-0). Intensive readings and discussions of the major writings of Charles Darwin, with supplementary readings of other writers, including Lamarck, Lyell, Wallace, Spencer and Gould. Fulfills the Major Figure requirement for students in the Humanities and Social Thought Concentration and provides credit in Scientific Inquiry. Prerequisites: SCPN 1850 or 1920 or BIOL 1020.
- SBIO 3890. DIRECTED STUDY IN BIOLOGY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- SBIO 4060. GENOMIC BIOLOGY.** (3-3-0). An overview of how genetic analysis at the molecular level is used to study inheritance patterns and population genetics in a way that complements more classical methods of genetic analysis. Special emphasis on the impact of biotechnology on the practices of medicine, law, and modern agriculture, as well as research strategies used by biologists and biochemists. Social concerns and bioethical issues raised by the rapid growth of biotechnology will be addressed. Prerequisites: one of SCPN 1850, 1920, or BIOL 3270; and SCPN 1860 and 1861 or CHEM 1040 and 1041.
- SBIO 4061. GENOMIC BIOLOGY LABORATORY.** (2-0-6). This laboratory is a project-oriented approach to introduce the use of specialized techniques and bioinformatics to study genomic biology, ranging from the isolation and subcloning of a gene for DNA sequencing to the use of sequence data and databases to make a comparative analyses. Topics include DNA fingerprinting for identity testing and DNA sequence polymorphisms for studies in population genetics. Corequisite: SBIO 4060.
- SBIO 4810. SEMINAR IN DEVELOPMENTAL BIOLOGY.** (3-3-0). A treatment of mechanisms underlying the ontogenetic organization of the major biological systems in animals, including molecular, cellular, and tissue-level processes. Satisfies the research seminar requirement for students in the Scientific Inquiry Concentration of the College. Prerequisites: two semester sequence in general biology and permission of instructor.
- SBUS 480T. THESIS RESEARCH: BUSINESS.** (2-0-0). Preparation of a senior thesis or project in accounting, business administration, or computer information systems. Prerequisite: SBUS 4000.
- SBUS 482T. THESIS: BUSINESS.** (3-0-0). Completion and presentation of a senior thesis or project in business. Prerequisite: SBUS 480T.
- SBUS 4000. THESIS RESEARCH METHODS.** (1-1-0). Research methods for students majoring in Accounting, Business Administration, or Computer Information Systems and preparing to write senior theses. Introduction to research methodology, documentation and thesis style appropriate to different disciplines within business; bibliographic data bases and research/reference works; production of the thesis proposal.
- SCHM 3810. ORGANIC CHEMISTRY I.** (3-3-0). The first half of a one-year course. Preparation, properties, uses, and mode of reaction of representative aliphatic and aromatic compounds; halides, hydrocarbons, stereochemistry and spectroscopy. Prerequisite: 1820 and 1821 or SCPN 1840 and 1860; registration in or credit for 3811.
- SCHM 3811. ORGANIC CHEMISTRY LABORATORY I.** (2-0-4). Basic experiments in organic chemistry. Prerequisite: Registration in or credit for 3810.
- SCHM 3820. ORGANIC CHEMISTRY II.** (3-3-0). The second half of a one-year course. Preparation, properties, uses, and mode of reaction of aliphatic and aromatic compounds; emphasis on alcohols, aldehydes, ethers, ketones, amines, acids and their derivatives. Prerequisite: 3810 and 3811; registration in or credit for 3821.
- SCHM 3821. ORGANIC CHEMISTRY LABORATORY II.** (2-0-4). Continuation of 3811. Preparation and qualitative analysis of organic compounds. Prerequisite: registration in or credit for 3820.
- SCHM 3890. DIRECTED STUDY IN CHEMISTRY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- SCHM 4810. GENERAL BIOCHEMISTRY I.** (3-3-0). An introduction to the constituents of living matter: carbohydrates, lipids, proteins, nucleic acids, and enzymes. Prerequisites: 3820 and 3821; registration in or credit for 4811.
- SCHM 4811. GENERAL BIOCHEMISTRY LABORATORY I.** (1-0-3). An introduction to qualitative and quantitative biochemical laboratory techniques using modern biochemical instrumentation. Prerequisite: registration in or credit for 4810.
- SCHM 4820. GENERAL BIOCHEMISTRY II.** (3-3-0). A continuation of 4810. Important biochemical pathways: catabolism of carbohydrates, lipids, and proteins; anabolism of carbohydrates, lipids, proteins, and nucleic acids; their relationship to one another and the importance of each to the organism. Prerequisites: 4810 and 4811.
- SCHM 4890. CHEMISTRY SEMINAR.** (1-1-0). Research, reports, and discussions about current or historical issues in chemistry. May be repeated any number of times, but only two hours may be applied toward a degree. Prerequisite: junior standing and consent of instructor.
- SCLA 3810. THE COMIC MUSE: COMEDY AND SATIRE IN THE ANCIENT WORLD.** (4-4-0). The history, evolution, and interrelationship of comedy and satire in the Greco-Roman world. Includes several instances in which these forms are adopted or adapted in later periods. All works are read in English translation.
- SCPN 1830. PARADIGMS: BIOLOGY I.** (3-3-0). An integrated life science course, focusing on cell biology, basic metabolism, and organismal biology. Prerequisite: registration in or credit for 1831.
- SCPN 1831. PARADIGMS: BIOLOGY LABORATORY I.** (1-0-3). Experiments in the life sciences to accompany 1830.
- SCPN 1840. PARADIGMS: CHEMISTRY I.** (3-3-0). An introduction to the general principles of chemistry, including atomic and molecular structure; chemical bonding, properties of gases, liquids, and solids; and oxidation-reduction reactions. Prerequisite: registration in or credit for 1841.
- SCPN 1841. PARADIGMS: CHEMISTRY LABORATORY I.** (1-0-3). Laboratory experiments demonstrating the chemical principles presented in 1840. Corequisite: 1840. Pass/fail grade.
- SCPN 1850. PARADIGMS: BIOLOGY II.** (3-3-0). A continuation of 1830, focusing on organismal biology, Mendelian and molecular genetics, evolution, and ecology. Prerequisite: 1830 and registration in or credit for 1851.
- SCPN 1851. PARADIGMS: BIOLOGY LABORATORY II.** (1-0-3). Experiments in the life sciences to accompany 1850.

SCPN 1860. PARADIGMS: CHEMISTRY II. (3-3-0). A continuation of 1840, focusing on chemical equilibrium, thermodynamics, kinetics, and nuclear chemistry. Prerequisite: 1840, 1841, and registration in or credit for 1861.

SCPN 1861. PARADIGMS: CHEMISTRY LABORATORY II. (1-0-3). Laboratory experiments demonstrating the principles presented in 1860: identifying common inorganic ions, quantitative inorganic analysis, chemical equilibria and thermodynamics. Corequisite: 1860. Pass/fail grade.

SCPN 1910. PARADIGMS OF NATURE: INTRODUCTION TO ECOLOGY I. (3-3-0). An introduction to the ecological relationships between organisms and their environments at the ecosystem and community levels of organization. Topics include primary production and decomposition, migration and dispersal across landscapes, and food webs. Prerequisite: registration in or credit for 1911.

SCPN 1911. PARADIGMS OF NATURE: ECOLOGY LABORATORY I. (1-0-3). Laboratory experiments and field studies demonstrating the principles presented in SCPN 1910. Prerequisite: registration in or credit for 1910.

SCPN 1920. PARADIGMS OF NATURE: INTRODUCTION TO ECOLOGY II. (3-3-0). An introduction to the ecological relationships between organisms and their environments within populations, and evolution as an ecological process. Topics include demography, pollination ecology, and evolution through natural selection. Prerequisite: registration in or credit for 1921.

SCPN 1921. PARADIGMS OF NATURE: INTRODUCTION TO ECOLOGY LABORATORY II. Laboratory experiments and field studies demonstrating the principles presented in SCPN 1920. Prerequisite: registration in or credit for 1920.

SCRT 181W. CRITICAL READING, CRITICAL WRITING. (4-4-0). Exercise in verbal argument and analysis, in conjunction with the study of major writers, major thinkers, and significant cultural issues. Disciplines and topics vary; may be taken for credit only once.

Subtitles:

01-Justice, Virtue, and the Good. A close study of ethical writings by Plato and Aristotle, emphasizing both moral ideas and philosophical reasoning: Plato's *Euthyphro*, *Gorgias*, and *Republic*, and Aristotle's *Nicomachean Ethics*.

03-Selfhood and Community. An inquiry into changing conceptions of the "self" and shifting relations between individuals and communities in the nineteenth and twentieth centuries.

04-Utopian Visions. Versions of perfection in utopian works written in Europe and America from the sixteenth century to the present—utopian perspectives on perfection, including those of Christian humanism, liberalism, socialism, aesthetic Marxism, and feminism. Examinations of contemporary assumptions about what is "natural" and possible in our own time and in the future.

05-Greek and Roman Art: A General Survey. An overview of the development of Greek and Roman art organized to complement the material presented in Texts and Traditions I.

06-Southern Fiction. An introduction to Southern fiction of the nineteenth and twentieth centuries, emphasizing literary analysis, but also examining social and historical contexts as well as the issues of race, class, and gender. Chopin, Faulkner, O'Connor, Welty, Percy, Hurston, Walker, among others.

07-Interdisciplinary Approaches to the Study of Gender. An interdisciplinary course exploring gender relations through literature, art, history, sociology, and biology.

09-Popular Culture in History. Examination of the political function and social sources of popular culture in Europe and America since 1600, with emphasis on the development of writing skill.

10-Physical Concepts of Time. Introduction to the study of time, as viewed from the perspectives of natural philosophy, mathematics, and modern physics. Zeno's paradoxes; relativity and block universe; "time's arrow" in thermodynamics and cosmology.

11-Writing About Film. A writing-intensive seminar offering an introduction to the vocabulary and perspectives of film criticism.

12-History and Philosophy of Natural Science. A writing-intensive seminar designed to help students understand how scientists think and why we know what we know. Students will be given a background in "scientific thought processes".

13-Writing about Literature: The Lost Generation. An introduction to college-level critical reading and writing skills through study of the literature of Americans and American expatriates between the World Wars.

14-The Influences of Science on Art. An exploration of the relationship between art and science, including an interdisciplinary examination of media, materials, color, light, and perspective in art and architecture.

15-A study of the history of legal writing as literature, and a study of what literature has to teach about the history and interpretation of law and methods of legal argument.

SCSC 1810. MICROCOMPUTER APPLICATIONS I. (1-1-0). A microcomputer software course introducing word processing, database, presentation, and spread sheet fundamentals for academic applications.

SCTT 1810. TEXTS AND TRADITIONS I: THE SHAPING OF WESTERN THOUGHT. (5-5-0). A close study of selections from the history of western thought, including major philosophical, scientific, literary, political, and artistic works. The ancient world; early myth, the Old Testament, classical antiquity; works by authors such as, Homer, Sophocles, Plato, Vergil, Juvenal, and others.

SCTT 1820. TEXTS AND TRADITIONS II: THE SHAPING OF WESTERN THOUGHT. (5-5-0). A continuation of 1810. The Middle Ages, the Renaissance, the seventeenth and early eighteenth centuries; works by authors such as Boethius, Dante, Machiavelli, Descartes, Galileo, Shakespeare, and others.

SCTT 1810. TEXTS AND TRADITIONS III: THE SHAPING OF WESTERN THOUGHT. (5-5-0). A continuation of 1820. The eighteenth and nineteenth centuries; works by authors such as Voltaire, Rousseau, Austen, Marx, Mill, Darwin, Dostoyevsky, Nietzsche, and others. Prerequisite: SCRT 181W.

SCTT 1820. TEXTS AND TRADITIONS IV: THE SHAPING OF WESTERN THOUGHT. (5-5-0). A continuation of 1810. The twentieth century; works by authors such as Freud, Conrad, Weber, Woolf, Eliot, Levi-Strauss, Böll and others. Prerequisite: SCRT 181W.

SCTT 1810. TEXTS AND TRADITIONS V, DEMOCRATIC VISTAS: THE IDEA OF AMERICA. (4-4-0). Major documents from the American cultural tradition, including works by Winthrop, Edwards, Franklin, Jefferson, Tocqueville, Hawthorne, Thoreau, Fuller, Dickinson, Mark Twain, Charles Ives, Jasper Johns, Faulkner, Toni Morrison, and others. Prerequisite: SCRT 181W.

SCTT 4810. SENIOR COLLOQUIUM I. (2-2-0).**Subtitles:**

07-Crime and Punishment in the Modern World: An exploration of the proper relationship between crime and punishment, liberty, and social repression during the modern era and focusing on Europe and America.

08-Science and Religion: Background Issues: Examination of the relationship between religion and science from ancient times to the present, from a number of perspectives. This course will focus on the historical roots of both disciplines and look carefully at the reasons for their divergence.

09-Pharmacology, Society and the Law: A study of medical, political, legal, economic and cultural effects and ramifications of drug abuse and the war on drugs.

10-The Nineties: A Critical Retrospective.

11-The 1960s: An examination of the political, economic, social, cultural, and technological advances of the Sixties and an introduction to the individuals who made history in that decade.

12-Censorship: Who Judges the Judges Themselves? The history and major issues in censorship in Western tradition.

13-Religious Tolerance. An interdisciplinary consideration of the roots of religious intolerance and an exploration of ways to nurture religious tolerance. Emphasis on philosophical, historical, political, and moral issues.

14-Sex and Society. Sex as a component of and issue for modern society, ranging from the political (equal rights and same-sex marriage), religious (the suppression of sexual instincts and traditional roles of men and women), and social (sex education in public schools and pornography and censorship) to the connection between sex and psychology and the evolutionary basis of sexual differences.

SCTT 4820. SENIOR COLLOQUIUM II. (2-2-0).**Subtitles:**

05-Crime and Punishment in the Modern World. An exploration of the proper relationship between crime and punishment, liberty and social repression during the modern era and focusing on Europe and America.

06-Science and Religion: The Scopes Trial and its Consequences: This is the second semester of a two-semester course focusing on religion and science. This semester will emphasize the Scopes trial and its consequences, including the modern-day discussion of creationism vs. evolution.

07-Pharmacology, Society and the Law. A study of the medical, political, legal, economic and cultural effects and ramifications of drug abuse and the war on drugs.

08-The Nineties: A Critical Retrospective.

09-The 1960s: Continuation of 4810. An examination of the political, economic, social, cultural, and technological advances of the Sixties and an introduction to the individuals who made history in that decade.

10-Censorship: Who Judges the Judges Themselves? The history and major issues in censorship in Western tradition.

11-Religious Tolerance. An exploration of religious diversity in the modern world, viewed from a variety of disciplinary perspectives—psychology, sociology, philosophy, history, law, and others—with attention to ways to foster religious tolerance.

12-Sex and Society. A further examination of the role of sex in modern society.

SECL 3800. RESEARCH SEMINAR IN ECOLOGY AND ENVIRONMENTAL SCIENCES. (3-1-4).**Subtitle:**

01-Southern Appalachian Environs: Major ecological communities of the Great Smoky Mountains, the ridge and valley region on East Tennessee, and the Blue Ridge region of North Carolina and Georgia; and interactions between the environment and man, from early European settlement to the establishment of Great Smoky Mountains National Park and the Tennessee Valley Authority.

SECL 3890. DIRECTED STUDY IN ECOLOGY. (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when topic varies. Prerequisite: consent of instructor.

SECO 1810. FUNDAMENTALS OF INVESTMENT AND PERSONAL FINANCE. (1-1-0). An introduction to budgeting and personal investment, including the basics of debt and equity markets, interest rates, risk and portfolio management. This course does not satisfy any requirements or prerequisites in the College of Business.

SECO 2810. AN INTRODUCTION TO ECONOMIC REASONING. (4-4-0). A survey of the historical evolution and current state of American economic theory and policy. The fundamentals of economic analysis, with application to a wide array of economic issues: government regulation of markets, income distribution, federal deficits, government stabilization policy, and America's position in the world economy. Prerequisite: SMAT 1820 or SMAT 1840. (Credit not allowed for both ECON 2010 and SECO 2810).

SECO 3000. MANAGERIAL ECONOMICS. (3-3-0). Microeconomic theory and decision science methodology applied to solve business and managerial problems. The study of how to allocate resources to most efficiently achieve managerial goals. Prerequisites: SECO 2810 and SMAT 1848 or SMAT 2810. (Same as ECON 3000).

SECO 3840. ENVIRONMENTAL ECONOMICS. (3-3-0). A study of the economics of resource extraction and environmental protection, with emphasis on renewable resources (water, forests, land, wildlife, etc.), and political and economic mechanisms to optimize their use over time. Prerequisite: ECON 2010 or SECO 2810 or SMAT 1820 or SMAT 1840, and SCPN 1920.

SECO 3850. LAW AND ECONOMICS. (4-4-0). A study of the role of economic reasoning in the development of legal and institutions and justice. The application of formal economic analysis to the common law (specifically, property, contracts, and torts), and an examination of the tools of non-cooperative game theory applied to legal analysis. Prerequisite: SECO 2810 or ECON 2010.

SECO 3860. THE LITERATURE OF ECONOMICS AND ECONOMICS IN LITERATURE. (3-3-0). A study of economic themes in works of literature, and an appreciation of the literary value of some classical writings in economics. Literary depictions of society making a living, and literary exhortations to society to mend its economic ways.

SECO 3890. DIRECTED STUDY IN ECONOMICS. (1-4-0-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when topic varies. Prerequisite: consent of instructor.

SECO 4830. WEALTH AND POVERTY IN THE UNITED STATES. (4-4-0). An inquiry into the causes and consequences of American wealth and poverty, emphasizing the intellectual origins of American individualism and of laissez faire economic practice. Topics covered include: current statistics on income distribution; political economy; the experience of immigrant minorities; chronic poverty;

rural poverty; recent theory and policy debates. Prerequisite: SECO 2810 or ECON 2010.

SENG 2000. SEMINAR IN ENGLISH AND AMERICAN LITERATURE. (4-4-0). Major figures, period studies, critical issues and problems. Cross-listed as SCRT 181W. Open as SENG 2000 only to students who have completed a different SCRT 181W section. May be repeated once for credit as topics vary.

Subtitles:

01-Selfhood and Community in Nineteenth and Twentieth Century Writing. Fiction by Austen, Brontë, Conrad, Woolf, Faulkner, Lawrence, and others, in the context of cultural change.

02-Finding the Lost Generation: British and American Writing in the Twenties. Focused on a pivotal moment in twentieth-century cultural history, the decade following the First World War, this course combines an exploration of literary modernism with an inquiry into certain fundamental problems of cultural theory. Works by Ford, Pound, Lawrence, Hemingway, Fitzgerald, Waugh, Graves, Eliot, Woolf, among others.

03-Southern Fiction. An introduction to Southern fiction of the nineteenth and twentieth centuries.

04-An Introduction to Film Criticism. An introduction to the vocabulary and perspectives of film criticism.

SENG 2810. POETRY AND POETICS: AN INTRODUCTION. (4-4-0). Introduction to the critical analysis of poetry through the close reading of individual poems from the sixteenth century to the present, as well as through the study of important works of literary criticism and theory.

SENG 3510. THE AMERICAN FAMILY IN LITERATURE. (4-4-0). Study emphasizing the diversity of the American family as exemplified through writers of various races, geographical regions, ethnicities, religions, and sexual orientations. Prerequisite: SCRT 181W or ENGL 1020.

SENG 3810. SHAKESPEARE. (4-4-0). Study of representative plays by Shakespeare, including comedies, tragedies, and histories, illustrating the development of his style.

SENG 3820. MILTON. (4-4-0). A close reading of Milton's major works including *Paradise Lost*, selected shorter poems, and selected prose.

SENG 3830. STUDIES IN THE SEVENTEENTH AND EIGHTEENTH CENTURIES. (3-3-0). Various texts and topics from the late Renaissance through the Neo-Classical period. May be repeated for credit when topics vary. Prerequisite: consent of instructor.

SENG 3840. TOPICS IN LITERARY THEORY AND CRITICISM. (4-4-0). Intensive study of a major period, movement, or body of literary theory and criticism. May be repeated for credit as topic varies. Prerequisite: sophomore standing and completion of one 2000-level literature course.

Subtitles:

02-Film Theory and Criticism. An introduction to major theorists and critics of film, emphasizing established critical approaches and emerging theoretical understandings of film as art.

04-Postmodern Literary Theory. A study of the major postmodern literary schools of theory (e.g., feminist, Marxist, post-colonial, semiotic) with emphasis on the work of Foucault, Derrida, and Lacan and a focus on examining the location of literary texts within a wider context of politics and culture.

05-Feminist Theory and Criticism. A study of feminist theory and criticism, focusing on the development of the discipline of feminist thought, the debates and issues that fractured feminism into feminisms, and the intersections of feminist thought with other approaches to theory (African/American theory, queer theory, postmodern theory, etc.)

SENG 3850. THE COMIC NOVEL. (4-4-0). Intensive study of the comic tradition in English and American Fiction from the eighteenth century through the present. Prerequisite: junior standing or consent of the instructor.

SENG 3860. STUDIES IN THE TWENTIETH CENTURY. (4-4-0). Various texts and topics from the twentieth century. May be repeated for credit when topics vary. Prerequisite: SCRT 181W.

Subtitle:

01-Magic Realism in Literature: Study exploring the philosophical, political, economic, social and spiritual dimensions of the genre of literature known as magic realism.

SENG 3880. STUDY OF A MAJOR WRITER. (4-4-0). Study emphasizing representative works and critical responses to those works. May be repeated for credit as topic varies. Prerequisite: sophomore standing.

Subtitles:

01-James Joyce

02-Henry James

03-Jane Austen

04-Emily Dickinson

05-Joseph Conrad

06-Robert Frost

07-Charles Dickens

08-T.S. Eliot

09-Virginia Woolf

10-William Faulkner

13-Kate Chopin

14-Toni Morrison

15-Edgar Allan Poe

SENG 3890. DIRECTED STUDY IN ENGLISH. (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

SFPA 480T. THESIS RESEARCH - FINE AND PERFORMING ARTS. (2-0-0). Preparation of a senior thesis or project in the fine and performing arts. Prerequisite: SLSC 4000.

SFPA 482T. THESIS - FINE AND PERFORMING ARTS. (3-0-0). Completion and presentation of a senior thesis or project in the fine and performing arts. Prerequisite: 480T, 481T.

SFRE 1810. FRENCH I. (4-4-0). An introduction to French grammar, pronunciation, and vocabulary. Verb tenses: present, preterit, and imperfect. Development of cultural knowledge as well as skill in understanding, speaking, reading, and writing. Students practice in the language lab one hour per week.

SFRE 2810. FRENCH II. (4-4-0). A continuation of 1810 with emphasis on basic French. Students practice in the language lab one hour per week. Prerequisite: 1810 or consent of instructor.

SFRE 2820. FRENCH III. (4-4-0). An intensive study of French grammar and review of basic French. Reading, discussion, and writing are emphasized. Students practice in the language lab one hour per week. Prerequisite: 2810 or consent of instructor.

- SFRE 2830. FRENCH IV.** (3-3-0). An introduction to French literature and civilization. Discussion and writing are emphasized. Prerequisite: 2820 or consent of instructor.
- SFRE 2840. FRENCH CULTURE AND CONVERSATION.** (3-3-0). Designed to help students with their oral skills as well as introduce them to French social habits. Students watch and comment on short French documentaries. They also keep a listening log of outside assignments such as "En Français" from PBS, French films, French radio, etc. Prerequisite: 2820.
- SFRE 2810. LE COMMENTAIRE DE TEXTES LITTÉRAIRES.** (3-3-0). Designed to teach students French literary analysis. Includes study of famous French works. Preparation for a more detailed study of French literature. Prerequisites: 1810, 2810, 2830, and consent of instructor.
- SFRE 3890. DIRECTED STUDY IN FRENCH.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- SGER 1810. GERMAN I.** (4-4-0). An introduction to basic grammatical structures, pronunciation, and vocabulary, with emphasis on understanding, speaking, reading, and writing German. Students are required to attend language lab each week.
- SGER 2810. GERMAN II.** (4-4-0). A continuation of 1810. Prerequisite: 1810 or consent of instructor.
- SGER 2820. GERMAN III.** (4-4-0). A systematic review of the skills learned in 1810 and 2810, with an emphasis on the development of vocabulary and idioms through the use of literary texts. Prerequisite: 2810 or consent of instructor.
- SGER 2830. INTERMEDIATE GERMAN IV.** (3-3-0). A continuation of 2820. Prerequisite: 2820 or consent of instructor. May be repeated once as the texts vary.
- SGER 3810. GERMAN LITERATURE: ROMANTICISM TO THE MODERN PERIOD.** (4-4-0). A survey of major movements and writers from Goethe to the present, within the context of German and European cultural and historical developments.
- SGER 3850. GERMAN CULTURE AND CIVILIZATION.** (3-3-0). Conducted in English. Historical, political, artistic, scientific, religious, social, and literary forces that have shaped the German state from the earliest time to the present.
- SGER 3890. DIRECTED STUDY IN GERMAN.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- SGLT 3810. 19TH CENTURY GERMAN LITERATURE IN TRANSLATION.** (3-3-0). From the dusk of Classicism, the darkness of Romanticism, to the dawn of Modernism, this period of German literature includes some of the greatest minds of Western civilization. The course will focus on the poetry, fiction, dramas and non-fiction of writers such as Goethe, Schiller, Heine, Hofmann, Nietzsche and Hauptmann. Student may not receive credit for both 3810 and 4810.
- SHIS 1010. GLOBAL HISTORY TO 1500.** (3-3-0). The history of the human community from prehistory (ca. 10,000 BCE) to 1500. The origins, development, and achievements, as well as the interrelations, of the major world civilizations will be discussed. Comparing the economic, cultural, and political experience of different societies will be an essential feature of the course.
- SHIS 2000. SEMINAR IN HISTORY.** (4-4-0). Special topics in history. Cross-listed as SCRT 181W. Open as SHIS 2000 only to students who have completed a different SCRT 181W section. May be repeated for credit as topics vary. Subtitles:
01-Utopian Visions. Versions of utopia from the 16th century to the present.
02-Popular Culture and Politics in Modern Europe: From Carnival to Rock Video. An exploration of the connections over the last three hundred years between the distribution of political power in particular societies and the ways that people have amused themselves (or have been amused). Emphasis is on primary materials—folk tales, song lyrics, advertisements (old and new), religious sermons and revelations, political cartoons, descriptions of popular festivals, riots, and murders.
- SHIS 2010. GLOBAL HISTORY SINCE 1500.** (3-3-0). The history of the human community from approximately 1500 to the present. The central question of the course is what is modernity and how have peoples and societies of the globe changed during the past 500 years because of it.
- SHIS 3700. EUROPE 1660-1789: ART AND POLITICS.** (4-4-0). Analysis of the economics and society of the period as well as the politics and art.
- SHIS 3710. EUROPE 1800-PRESENT: ART AND POLITICS.** (4-4-0). Focusing particularly on the politics and art of the period.
- SHIS 3720. TERRORISM AND COUNTERTERRORISM IN THE 19TH – 20TH CENTURIES.** (4-4-0). The theoretical justification for and the history of terrorism and the attempts to control it during the nineteenth and twentieth centuries.
- SHIS 3810. THE FRENCH REVOLUTION.** (4-4-0). Analysis of the causes of the Revolution and of its development after 1789, with emphasis on primary sources and opposing historical interpretations. Students will write a research essay.
- SHIS 3840. HISTORY OF RUSSIA SINCE 1861.** (3-3-0). Major issues in the economic, social, cultural, and political evolution of Russia from 1861 to the present. The course's objectives are to familiarize the student with these issues, give them a sense of the factors involved in historical change and causation, and sharpen their critical thinking and writing skills. Class time devoted to lecture, discussion, and film and slide screenings.
- SHIS 3880. MAJOR FIGURES IN HISTORY.** (4-4-0). Intensive study of the life and work of a major figure in history, emphasizing the individual's connection to his or her time, his or her influence since then, and the vagaries of reputation. Students will write a research essay. May be repeated for credit as topic varies. Prerequisite: junior standing or permission of instructor. Subtitles:
01-Louis XIV
02-Rousseau
03-Napoleon
04-Gladstone
05-William Morris
06-Bismarck
07-Churchill
09-Marx
10-Hitler
11-Keynes
12-Augustus Ceasar
13-Joseph Stalin
14-Gandhi
15-Elizabeth I

- SHIS 3890. DIRECTED STUDY IN HISTORY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- SHIS 4820. ITALY SINCE THE RENAISSANCE.** (4-4-0). Major issues in the political, economic, social, and cultural evolution of Italy from the fifteenth century to the present. The course's objectives are to familiarize the student with these issues, give them a sense of the factors involved in historical change and causation, and sharpen their critical thinking and writing skills. Class time devoted to lecture, discussion, and film and slide screenings.
- SHIS 4850. HISTORY OF WORLD WAR II.** (4-4-0). The causes and course of World War II in Europe and the Pacific. Prerequisite: SCRT 181W, sophomore standing, or consent of the instructor.
- SHST 3810. ATHENS IN THE FIFTH CENTURY.** (4-4-0). An interdisciplinary study of Athens in the Fifth Century B.C.E. Students will study the rise and fall of this great power by looking through the eyes of such citizens as Aeschylus, Sophocles, Aristophanes, and Thucydides.
- SHST 3820. FEMINIST THEORY IN PRACTICE AND PROCESS.** (4-4-0). An examination of the theory and practice of women's studies. Course units focus on the status of women's studies as a discipline, difference as a central issue in feminist theory, the variety of feminisms, the relationship between feminist and other critical theories, and trends emerging from the practice of women's studies (e.g., the new "men's studies"). Prerequisite: junior standing or consent of instructor.
- SHUM 480T. THESIS RESEARCH – HUMANITIES AND SOCIAL THOUGHT.** (2-0-0). Preparation (independent research and preliminary writing) of a senior thesis or project in the humanities or social sciences. Prerequisite: SLSC 4000.
- SHUM 482T. THESIS – HUMANITIES AND SOCIAL THOUGHT.** (3-0-0). Completion of a senior thesis or essay in the Humanities and Social Thought Concentration. Prerequisite: 480T, 481T.
- SLSC 2000. INTERDISCIPLINARY SEMINAR.** (4-4-0). Sophomore seminars on special topics transcending disciplinary boundaries. Cross-listed as SCRT 181W. Open as SLSC 2000 only to students who have completed a different SCRT 181W section. May be repeated once for credit as topics vary.
- Subtitles:
01-Interdisciplinary Approaches to the Study of Gender. An interdisciplinary course exploring gender relations through literature, art, history, sociology, and biology.
02-The Natural Philosophy of Time. Introduction to the study of time, as viewed from the perspectives of natural philosophy, mathematics, and modern physics. Zeno's paradoxes; relativity and the block universe; "time's arrow" in thermodynamics and cosmology.
- SLSC 3800. INTERDISCIPLINARY SEMINAR.** (1 to 4-1 to 4-0). Seminars on topics transcending disciplinary boundaries. May be repeated for credit as topics vary. Prerequisite: consent of instructor.
- Subtitles:
04-Contemporary Economic Issues. Current topics in the world economy, emphasizing the influence of social, cultural, and political factors. May be repeated for credit as topics vary.
07-Western Intellectual Traditions. 300-1350. This course will focus on the formation of western European thought and learning in the period of 300-1350. It will situate this critical intellectual era in its historical context by studying

the links and breaks with ancient thought on one side and early modern thought on the other.

08-Soviet Life in Literature. A study of the ideology, aspirations, and everyday life of the Soviet people as portrayed by Soviet writers from the 1920s through the 1970s. Includes works in translation by Zamiatin, Bulgakov, Mayakovsky, Solzhenitsyn, Dumbrovsky, and Pasternak.

09-Ecofeminism: Philosophy and literature. An interdisciplinary course concerned with exploring the ecological crisis through the lenses of feminist thought, especially in the areas of philosophy and theology, and analyzing works of contemporary literature that tie environmental degradation to greater political systems of oppression.

- SLSC 3810. GREAT CITIES IN WESTERN CIVILIZATION.** (4-4-0). The history, art, literature, and politics of a great city during a period of cultural blossoming. May be repeated for credit as the topic varies.

Subtitles:
01-Saint Petersburg
02-Paris

- SLSC 4000. THESIS RESEARCH METHODS.** (1-1-0). Research methods for students preparing to write senior theses. Introduction to research methodology, documentation and thesis style appropriate to different disciplines within sciences, humanities, and arts; bibliographic data bases and research/reference works; and production of the thesis proposal.

- SLSC 4810. ART AND SCIENCE: A CROSS-DISCIPLINARY INVESTIGATION.** (4-4-0). Aspects of the relationship between art and science: materials used in artistic endeavor, such as pigments from minerals, the components of bronze, and the clay used in pottery. Investigation of patterns and mathematical principles influencing art and architecture. Applications of natural principles in medicinal bathing and cartography.

- SLSC 4820. SOCIOBIOLOGY AND THE EVOLUTION OF SEX.** (3-3-0) A critical review of the theory of sociobiology. Special emphasis on the theoretical basis for the evolution and maintenance of recombination and the empirical evidence for the evolutionary advantages of various mating systems. Satisfies the research seminar requirement for the Scientific Inquiry Concentration and the interdisciplinary seminar requirement for the Humanities and Social Thought Concentration of the Liberal Arts major. Prerequisites: SCPN 1830, 1910, or 1920; or SCTT 2810 and 2820; or ANTH 3050; or ZOOL 3340.

- SLTN 1810. LATIN I.** (4-4-0). The fundamentals of Latin grammar and basic reading skills, including basic vocabulary, pronunciation, and syntax. Aspects of Roman culture and its tradition in the Western world.

- SLTN 2810. LATIN II.** (4-4-0). A continuation of 1810. Latin grammar and basic reading skills, including basic vocabulary, pronunciation, and syntax. Additional study of the Latin tradition. Prerequisite: credit for 1810 or consent of instructor.

- SLTN 2820. LATIN III.** (4-4-0). Introduction to Latin literature and advanced study of Latin grammar. Prerequisite: credit for 2810 or consent of instructor.

- SLTN 2880. GREEK AND LATIN ELEMENTS IN ENGLISH.** (3-3-0). An introduction to classical vocabulary, and to historical, linguistic, and grammatical relationships among the Greek, Latin, and English languages.

- SLTN 3810. DIRECTED READING IN LATIN.** (3-3-0). Supervised independent study (translation and commentary) of significant Latin texts. May be repeated as topic varies. Prerequisite: SLTN 2820.

Subtitles:

01 – Latin Prose Authors: Cicero, Livy, and Pliny the Younger

02 – Latin Poetry: Vergil and Horace

03 – Special Authors: selected authors of prose and poetry from the first century CE through the medieval period, for instance the historian Ammianus Marcellinus (4th c.); the poet Ausonius, (4th c.), and the medieval scholar, John of Salisbury (12th c.).

SLTN 3890. DIRECTED STUDY IN LATIN. (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SLTN 4850. ADVANCED COMPOSITION IN LATIN (PROSE). (3-3-0). Supervised independent study of the translation of English prose into Latin, beginning with translations of actual classical works back into Latin, followed by works originally written in English such as the *Declaration of Independence*, and ending with an original Latin composition by the student. Prerequisite: SLTN 2820.

SLTN 4860. ADVANCED COMPOSITION IN LATIN (POETRY). (3-3-0). Instruction in the techniques of Latin meter. Supervised independent study of the translation of English poetry into Latin, beginning with translations of actual classical works back into Latin, followed by an original Latin composition by the student. Prerequisite: SLTN 2820.

SMAT 1820. PRECALCULUS. (3-3-0). An in-depth treatment of algebra, trigonometry, and analysis topics used in calculus, along with the historical development of analysis. Students may not receive credit for both SMAT 1820 and SMAT 1800.

SMAT 1830. INTRODUCTION TO PURE MATHEMATICS. (3-3-0). An introduction to mathematical logic and thought, classical problems in a variety of areas in pure mathematics, and a historical/cultural perspective of the topics covered. Topics include propositional logic, mathematical induction, number theory, group theory, sets, cardinality, and functions.

SMAT 1840. TOPICS IN APPLIED MATHEMATICS. (3-3-0). An introduction to mathematical topics and techniques incorporated in the core science courses; limited exposure to the central themes of calculus; elementary discrete probability; and interval arithmetic on the real numbers. Includes a historical/cultural perspective on the topics covered. Prerequisite: diagnostic examination.

SMAT 2810. DIFFERENTIAL CALCULUS. (5-5-0). A study of the concepts of functions, limits, continuity, and the derivative. Application of the derivative, antiderivative, and integration. Prerequisite: 1820 with a grade of "C" or better, or a satisfactory score on the placement exam.

SMAT 2820. INTEGRAL CALCULUS. (5-5-0). A continuation of 2810. A study of integrals, conics, transcendental functions, techniques of integration, parametric equations, improper integrals, and applications. Prerequisite: 2810 or consent of instructor.

SMAT 2830. MATHEMATICAL LOGIC AND THE DEDUCTIVE SCIENCES. (3-3-0). An introduction to mathematical logic and its applications. The basic concepts and principles of logic found in all branches of mathematics, and logical laws applied in mathematical reasoning. Applications of logic in mathematical theory building with concrete examples based on concepts and principles of logical deduction. Prerequisites: SMAT 1820 and either SMAT 1830 or 2810.

SMAT 3810. MULTIVARIABLE CALCULUS. (3-3-0). Infinite series topics in vector calculus, and differential equations. Prerequisite: 2820 or consent of instructor.

SMAT 3830. DIFFERENTIAL EQUATIONS. (3-3-0). Solving ordinary differential equations, including linear differential equations, solution by series, Laplace transforms, and applications. Prerequisite: 2820.

SMAT 3850. PRINCIPLES OF MATHEMATICAL MODELING. (3-3-0). Developing, parameterizing, analyzing, and interpreting mathematical models of real-world problems in the biological, physical, and social sciences. Emphasis on mathematical models as investigative tools, model formulation, and interpretation of results. Prerequisite: 2810, 2820 or 10 hours of calculus.

SMAT 3890. DIRECTED STUDY IN MATHEMATICS. (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SOR 1010. SCHOLARS' COLLEGE ORIENTATION. (1-1-0). A required course introducing all incoming students to University life and to the Louisiana Scholars' College: history and traditions, requirements, regulations, academic strategies, career planning, and University resources.

SPHI 2000. SEMINAR IN PHILOSOPHY. (4-4-0). Special topics in philosophy. Cross-listed as SCRT 181W. Open as SPHI 2000 only to students who have completed a different SCRT 181W section. May be repeated for credit as topics vary.

Subtitle:

01- Moral Theory. An introduction to Eudaimonism, the ancient moral theory based on the premise that all people do pursue, and indeed should pursue, happiness (i.e. "eudaimonia"). Selected works by Plato and Aristotle as well as other, more contemporary works (such as *Habits of the Heart*) to get a clear sense of the contrast between ancient moral reasoning and our own. The course also serves as a thorough introduction to ancient philosophy in general.

SPHI 2820. INTRODUCTION TO ETHICS. (3 to 4-3 to 4-0). An introduction to ethical theories, including formalism and consequentialism, as well as to practical applications of those theories.

SPHI 2830. ANCIENT PHILOSOPHY. (4-4-0). A historical survey beginning with the Presocratic and concluding in the Hellenistic period. Includes such representative thinkers as Heraclitus, Parmenides, Socrates, Plato, Aristotle, and Sextus Empiricus.

SPHI 2840. MEDIEVAL AND EARLY MODERN PHILOSOPHY. (4-4-0). A historical survey beginning with the Middle Ages and concluding in the modern period. Includes such representative thinkers as Anselm, Aquinas, Descartes, and Locke.

SPHI 2850. THE RELIGIOUS PHILOSOPHIES OF INDIA AND CHINA. (4-4-0). An introduction to the major philosophico-religious texts of India and China, including the *Upanishads*, the *Bhagavadgita*, *The Laws of Manu*, and *Analekts*, and the *Tao Te Ching*.

SPHI 2860. PHILOSOPHIES OF CHRISTIANITY. (4-4-0). Survey of the historical and philosophical development of Christianity, emphasizing the philosophical theologies of St. Augustine, St. Thomas Aquinas, the Protestant Reformers, Kierkegaard, and others. Prerequisite: sophomore standing.

SPHI 3810. MODERN PHILOSOPHY. (4-4-0). A historical survey beginning with the rationalists and including such thinkers as Descartes, Leibniz, Hobbes, Locke, Berkeley, Hume, Kant, and Hegel. Prerequisite: Sophomore standing.

- SPHI 3820. EXISTENTIALISM.** (4-4-0). An intensive study of twentieth century existentialism in its philosophical, literary, and artistic manifestations, as reflected in the works of Heidegger, Sartre, Camus, de Beauvoir, Beckett, and Ionesco. Three major precursors of the existential movement—Kierkegaard, Nietzsche, and Kafka—will also be considered.
- SPHI 3830. AMERICAN PHILOSOPHY.** (4-4-0). Intensive readings in and discussions of the writings of six major thinkers from the “Golden Age” of American philosophy: Pierce, James, Royce, Santayana, Dewey, and Whitehead. Prerequisite: three hours of philosophy and sophomore standing.
- SPHI 3840. CONTEMPORARY ANALYTIC PHILOSOPHY.** (4-4-0). A survey of analytic philosophy of this and the 20th century through a consideration of movements such as logical atomism, logical positivism, and ordinary language philosophy, and figures such as Frege, Russell, Wittgenstein, Austin, and Quine. Prerequisite: three hours of philosophy and sophomore standing.
- SPHI 3850. SYMBOLIC LOGIC.** (4-4-0). An introduction to sentential and first-order predicate logic. Emphasis on the language of these logics, translation into their languages from natural languages, and proof techniques. Some attention to the philosophy and history of logic, alternative logics, and metatheory. Prerequisite: sophomore standing.
- SPHI 3880. STUDY OF A MAJOR PHILOSOPHER.** (4-4-0). Intensive study of a major philosopher, emphasizing representative works and critical responses to those works. May be repeated for credit as topic varies. Prerequisite: sophomore standing.
- Subtitles:
 01- Plato
 02- Aristotle
 03- Aquinas
 04- Descartes
 05- Locke
 06- Hume
 07- Kant
 08- Hegel
 09- Nietzsche
 10- Whitehead
 11- William James
 12- C. G. Jung
- SPHI 3890. DIRECTED STUDY IN PHILOSOPHY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- SPHI 4810. HUMAN RIGHTS AND GLOBAL JUSTICE.** (4-4-0). An examination of theories of human rights, and the application of those theories to issues of social justice in international politics. The nature of human rights, the obligations they generate, and principles of global economic distribution will be addressed. Prerequisite: PHIL 1010 OR SCTT 1810 and SCTT 1820.
- SRUS 1700. INTRODUCTION TO RUSSIAN I.** (1-1-0). An introduction to practical spoken Russian for tourism and business.
- SRUS 1710. INTRODUCTION TO RUSSIAN II.** (1-1-0). A continuation of SRUS 1700.
- SRUS 2890. DIRECTED STUDY IN RUSSIAN.** (4-4-0). A course in Russian grammar and conversation for students with at least two years of Russian grammar at high-school level or SRUS 1700/1710, or consent of instructor. This course does not fulfill in any way the Scholars' College language requirement.
- SSCI 2010. SCIENCE SEMINAR I.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This first semester emphasizes oral expression in addition to writing skills. Prerequisites: credit for SCRT 181W and credit for or enrollment in one of the following: SCPN 1830, 1840, 1910, 1920, PHYS 2030, or 2510.
- SSCI 2020. SCIENCE SEMINAR II.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This second semester considers oral expression and writing skills to be important. Prerequisites: credit for SSCI 2010 and credit for or enrollment in one of the following: SCPN 1830, 1840, 1850, 1860, 1910, 1920, PHYS 2030, 2040, 2510, or 2520.
- SSCI 2030. SCIENCE SEMINAR III.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This last semester of the required core sequence emphasizes writing skills in addition to oral expression. Prerequisites: credit for SSCI 2020 and credit for or enrollment in one of the following: SCPN 1830, 1840, 1850, 1860, 1910, 1920, PHYS 2030, 2040, 2510, or 2520.
- SSCI 2040. SCIENCE SEMINAR IV.** (1-1-0). Small group discussion of selected readings by and about scientists and science. Elective satisfying the science requirement of the Liberal Arts minor. Prerequisite: SSCI 2030. May be repeated once for credit.
- SSCI 480T. THESIS RESEARCH – SCIENTIFIC INQUIRY.** (2-0-0). Preparation (independent research and preliminary writing) of a senior thesis or project in the humanities or social sciences. Prerequisite: SLSC 4000.
- SSCI 482T. THESIS – SCIENTIFIC INQUIRY.** (3-0-0). Completion of a senior thesis in mathematics or the sciences. Prerequisite: 480T, 481T.
- SSOT 2830. TECHNOLOGY, POLITICS, AND SOCIETY.** (4-4-0). An examination of new and emerging theoretical perspectives on technology within the discipline of sociology. Fulfills the Theory and Method requirement in Humanities and Social Thought.
- SSOT 3810. GENDER AND CONTEMPORARY SOCIETY.** (4-4-0). Examination of the social bases of gender construction, with emphasis on the ways in which contemporary institutions in industrial societies produce or reinforce gender inequality.
- SSOT 3890. DIRECTED STUDY IN SOCIAL THOUGHT.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated once when the topic varies. Prerequisite: consent of instructor.
- SSOT 4820. THE SOCIOLOGY OF FAMILIES.** (4-4-0). An examination of the concept and structure of family in Western societies. Emphasis is on competing theoretical paradigms for understanding diverse family forms, and on the sociohistory of family formation (and reformation) from courtship through divorce.
- SSPN 1810. SPANISH I.** (4-4-0). An introduction to Spanish grammar, pronunciation, and vocabulary. The course seeks to develop a knowledge of Spanish culture as well as skill in understanding, speaking, reading, and writing. Students practice in the language lab one hour per week. Prerequisite: SCTT 1810.

- SSPN 2810. SPANISH II.** (4-4-0). A continuation of 1810, emphasizing basic grammar including the past tenses, the future, and the conditional. Students practice in the language lab one hour per week. Prerequisite: 1810 or consent of instructor.
- SSPN 2820. SPANISH III.** (4-4-0). A comprehensive review of Spanish grammar, reading, discussion, and writing, and an introduction to Spanish and Latin American culture. Students practice in the language lab one hour per week. Prerequisite: 2810 or consent of instructor.
- SSPN 2830. SPANISH IV.** (3-3-0). A thorough introduction to Hispanic literature and civilization. Prerequisite: 2820 or consent of instructor.
- SSPN 3890. DIRECTED STUDY IN SPANISH.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- SSTA 3810. APPLIED STATISTICS.** (3-3-0). Introduction to descriptive and inferential statistics with an emphasis on applications. Topics include Chi-square, G test, t test, Wilcoxon tests, Kruskal-Wallis test, and single, two-way, and nested analysis of variance. Practice using spreadsheets to perform statistical tests. Prerequisite: SMAT 1820.

UNIVERSITY COLLEGE

143 Kyser Hall
318-357-5000

Dean: Sue W. Weaver, Professor

Instructors: Barker, Gruesbeck, Hicks, Martin, Thomas

Mission of the University College

The mission of University College is to promote the success of undergraduate students through programs that help them build a firm academic foundation at NSU. University College fosters intellectual growth and development by providing academic advising, learning assistance, transition and first-year support, disability services, and other support programs for students.

University College also provides quality interdisciplinary programs leading to Associate (two-year) and Baccalaureate (four-year) degrees, which represent a broad education with courses selected from among a wide range of disciplines. These interdisciplinary programs provide flexibility to allow the student's program to adapt to particular interests, backgrounds, time limitations, and ultimate career goals. They are especially appropriate for a mature person who has, as a result of various educational and work experiences, a clear focus and strong commitment to a particular course of study.

Degrees Offered Through University College

Bachelor of General Studies (see associated concentrations)
Associate of General Studies (see associated concentrations)

Certificates Offered Through University College

American Humanities Certificate Program

Bachelor of General Studies

Recognizing the value of special programs for individuals with unusual backgrounds and abilities, the University has established the General Studies Program leading to a Bachelor of General Studies degree. This program provides flexibility to allow the student's program to adapt to particular interests, background, time limitations, and ultimate career goals. It is especially appropriate for a mature person who has, as a result of various educational and work experiences, a clear focus and strong commitment to a particular course of study.

Entrance Requirements for Four-Year Program

To be admitted to a four-year program in General Studies, a student must have a grade point average of at least 2.0 on all courses pursued. A student will be required to take at least two full semesters of regularly enrolled courses following formal admission to the program.

A student desiring to pursue a General Studies degree program shall submit in writing the proposed individualized program of student to the General Studies Council, a faculty council chaired by the Dean of University College. The proposal should state the purpose and objectives of the program of study and include a detailed supporting statement from the faculty member who agrees to be the primary advisor.

The General Studies Council will decide approval of the proposed program by a review, which will consider the intellectual coherence of the program, the program relevance to career objectives, and the academic qualifications of the applicant.

Requirements for the Bachelor of General Studies Degree

All proposals must satisfy the following minimum general requirements:

1. The University core requirements.
2. A minimum of 120 semester hours of academic work is required within the 124 hours required for the degree.
3. The senior year in residence, defined as the last 30 semester hours of coursework to be counted toward the degree.
4. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
5. At least a C (2.0) average on all hours pursued and on all hours pursued at NSU.
6. At least a C (2.0) average in all hours in the "group of concentration."
7. Special requirements: Completion of an approved minor, 6 semester hours in a single foreign language, 1-3 semester hours of computer electives, and Psychology 1010 or Sociology 1010.
8. A minimum of 30 hours of the 124 taken in courses numbered 3000 or above, and an additional 15 hours in courses numbered 4000 or above.
9. A minimum of 12 semester hours of upper-level courses in the "group of concentration" taken in residence at NSU.
10. Eighteen hours earned in each of the following groups: (Groups may also include related Scholars' College courses as previously approved.)
Group I: art, dance, English, fine arts, foreign languages, journalism, music, photography, speech, theatre
Group II: anthropology, economics, geography, history, philosophy, political science, psychology, sociology, social studies
Group III: biology, botany, chemistry, computer applications, computer science, educational technology, geology, mathematics, microbiology, physics, science, zoology
11. Students may apply toward the degree a maximum of 30 semester hours in courses offered in the College of Business, with no more than 15 hours in any one discipline.
12. In addition to the 54 required hours (18 in each of the three groups): an additional 18 hours taken in one of the three groups, making a total of 36 hours in one group for a "group of concentration." In lieu of this requirement, the student may take the course of study prescribed in the academic concentrations outlined below.

Curriculum for the Bachelor of General Studies (734)

FIRST YEAR	SEM. HRS.
Computer ¹	3
Electives (1000-2000 level) ²	7
English 1010, 1020	6
Fine Arts 1040	3
Foreign Language ⁴	3
Mathematics ³	3
Orientation 1010	1
Psychology 1010 or Sociology 1010	3
Science ¹	3
	32
SECOND YEAR	SEM. HRS.
Communications Core ¹	3
English literature ¹	3
Foreign Language ⁴	3
Group II Electives	9
Health and Personal Fitness ¹	2
History ¹	3
Mathematics ³	3
Science ¹	3
Social Sciences ¹	3
	32
THIRD YEAR	SEM. HRS.
Electives (1000-2000 level) ¹	4
Electives (3000-4000 level) ¹	3
Group of Concentration Electives (12 must be 3000-4000 level)....	18
Health and Personal Fitness ¹	2
Science ¹	3
	30
FOURTH YEAR	SEM. HRS.
Electives (3000-4000 level)	30
	30

Total Semester Hours for Degree: 124

Footnotes:

¹ Refer to University core requirements.

² Students must select from one of the following courses: COMP 1010, COMP 1020, CIS 1030, CIS 1800 or approved computer elective.

³ Electives must be chosen so as to complete an approved minor as defined by the department concerned.

⁴ All six semester hours must be in the same foreign language.

Available Concentrations in the Bachelor of General Studies

The College of Science and Technology sponsors a General Studies degree with a concentration in aviation science. Students wishing to pursue this program leading to a Bachelor of General Studies degree are not required to submit an individual proposal, but must satisfy all requirements established by the sponsoring college. The special requirements for this program are given below.

Aviation Science (734A): (College of Science and Technology): Aviation Science 1010, 1050, 1060, 1101, 2050, 2101, 2121, 3000, 3040, 3101, 4100, 4110, 4201, 4221 or 4241; Aviation Science or Aviation Technology electives, 3 hours. Total: 42 hours.

University College also sponsors a General Studies degree with concentrations in Defense Leadership Studies; Non-Profit Leadership, which leads to the certification in American Humanities; and Professional Studies. The special requirements for these programs are given below. Interested students should contact University College.

Defense Leadership Studies (734D): Psychology 1010 or Sociology 1010; English 3230; Interdisciplinary Studies 3000; 6 hours from History 2020, 2100, or 3400; Sociology 4080; 3 hours from Geography 1010 or 3060; 6 hours from Political Science 3060, 4060, 4080, or 4190; 6 hours of approved Military Science electives; and 6 hours of advisor approved field experience courses. Total: minimum of 36 hours.

Non-Profit Leadership (734N): Psychology 1010 or Sociology 1010; English 3230; Interdisciplinary Studies 2000 and 3000; Accounting 2000; Political Science 4160; Sociology 4110; Journalism 3060 or Marketing 3230; Political Science 3060 or Management 3220; Cooperative Occupations Experience 3010; 6 hours of approved organizational or human development electives; 6 hours of advisor approved field experience courses. Total: minimum of 36 hours.

Professional Studies (734P): Psychology 1010 or Sociology 1010; English 3230; Interdisciplinary Studies 3000; 19-28 hours of approved courses in minor area of study or individualized program of study; 6 hours of approved documented work experience credit; and 1-3 hours of advisor approved field experience courses. Total: minimum of 36 hours.

Prior Learning Credits in the Professional Studies Concentration: A maximum of 24 hours credit from past occupational, educational and training experiences may be applied toward the Professional Studies concentration in General Studies. Students enrolled in the Professional Studies concentration may petition for the acceptance of Prior Learning Assessment (PLA) credit to be used to complete degree requirements. Credit for these learning experiences will be established by departmental evaluation using appropriate guidelines from Southern Association of Colleges and Schools and Council for Adult and Experiential Learning. Credit will be applied at the time of graduation and may not be used to satisfy the requirements for any other General Studies concentration or other degree offered at the University. Students interested in developing a Prior Learning Assessment Portfolio should contact the University College.

Requirements for the American Humanities Certification

Students completing the American Humanities Certificate Program must demonstrate the competencies needed for entry-level positions as managers of nonprofit organizations. The 15-21 credit hour certification program differs slightly from the Nonprofit Leadership curriculum in General Studies and includes the following courses: Accounting 2000, Management 3220 or Political Science 3060, Journalism 3060 or Marketing 3230, and 6 credit hours of nonprofit leadership core courses – Sociology 4110 and Political Science 4160. Students must also complete an internship of 300 clock hours with an approved nonprofit agency, and must attend an American Humanities Management Institute held annually each January.

Associate of General Studies

Students seeking an Associate of General Studies degree will be assigned an advisor who will assist the student in completing an individualized program of study. All students must satisfy the following minimum general requirements:

1. A minimum of 63 semester hours of academic work.
2. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
3. Earn at least a C (2.0) average in all courses used to satisfy degree requirements.
4. Earn at least a C (2.0) average in all courses taken at NSU which are used to satisfy degree requirements.
5. English 1010 and 1020 (these courses may not be used in satisfying the academic group requirements).
6. Six semester hours of mathematics selected from the University Core Requirements for the Baccalaureate Degree (these courses may not be used in satisfying the academic group requirements).
7. Six semester hours of natural sciences in any biological or physical science (these courses may be used in satisfying the academic group requirements).
8. Six semester hours of social/behavioral sciences; three of these hours must be at the sophomore level or above (these courses may be used in satisfying the academic group requirements).
9. Three semester hours of fine arts and three semester hours from the humanities academic group (these courses may be used in satisfying the academic group requirements).
10. Orientation 1010.
11. Nine semester hours of enrichment electives in each of two groups selected from the academic groups listed below.
12. Eighteen semester hours in a third group, the group of concentration, selected from the academic groups listed below.
13. Students may apply toward the degree a maximum of 15 semester hours in courses offered in the College of Business.

Curriculum for the Associate of General Studies Degree (733)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Enrichment Electives	6
Mathematics ¹	6
Natural Science ¹	6
Orientation 1010	1
Social Sciences ¹	6
	31

SECOND YEAR	SEM. HRS.
Concentration	18
Enrichment Electives	8
Fine Arts 1040	3
Humanities ²	3
	32

Total Semester Hours for Degree: 63

Footnote:

¹ Refer to University core requirements.

² Refer to humanities academic group.

Academic Groups for the Associate of General Studies Degree

Applied Sciences

aviation technology, agriculture, animal science, aviation science, electronics engineering technology, forestry, family and consumer sciences, industrial engineering technology, nutrition, nursing, plant and soil science, military science

Art

art, dance, music, photography, theatre

Behavioral Sciences

early childhood education, health and physical education, special education, educational psychology, psychology

Business

accounting, business administration, computer information systems, finance, management, marketing, office administration

Humanities

English, fine arts, history, humanities, foreign languages, journalism, philosophy, speech

Natural Sciences

biology, botany, chemistry, computer applications, computer science, educational technology, geology, mathematics, microbiology, physics, science, zoology

Social Sciences

anthropology, economics, political science, social studies, sociology, geography, criminal justice

Academic departments have sponsored General Studies programs leading to the Associate of General Studies degree in the following areas: Aviation Science, and Child Development. The special requirements for these programs, with the sponsoring department indicated in parentheses, are given below. Interested students should contact the department concerned.

AVIATION SCIENCE (Science and Technology) (733A): Aviation Science 1050, 1060, 1101, 2050, 2101, 2121, 3040, 3101, 4100, 4201; business electives (6 hours). Total: 36 hours.

CHILD DEVELOPMENT (Family and Consumer Sciences) (733B): Art 2040; Early Childhood Education 2070, 3070; English 3210 or 3230; Family and Consumer Sciences, 1041 or 1070, 1120, 3020, 3030; Health Education 1010; History 2010 or 2020; Music 2100; Nutrition 1050; Political Science 2010; Psychology 2050. Total: 36 hours.

GRADUATE STUDIES*

Martha Henderson, *Acting Associate Provost; Acting Dean of Graduate Studies and Research*

ADMINISTRATION: The Dean of Graduate Studies and Research along with the Graduate Council supervise graduate study at Northwestern State University. All correspondence should be addressed to: Office of the Graduate Dean, Teacher Education Center, Rm. 119-C, Northwestern State University, Natchitoches, LA 71497; Phone 318-357-5851, 800-232-9892; Fax: 318-357-5019; E-mail: graduate_studies@nsula.edu; www.nsula.edu.

GOVERNANCE: The University is governed by the Louisiana Board of Regents and the University of Louisiana System. All policies and procedures adhere to their regulations and are approved by their boards.

ACCREDITATION

Northwestern State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, master's and specialist's degrees. All degree programs at the bachelor's level and those leading to add-on certification in education and those programs leading to the Master of Education, and Educational Specialist degrees are accredited by the National Council for Accreditation of Teacher Education (NCATE). The Graduate School is a member of the Council of Graduate Schools (CGS) in the United States. The undergraduate programs in nursing are approved by the Louisiana State Board of Nursing and all programs, undergraduate and graduate, are accredited by the National League for Nursing (NLN).

All degree programs leading to the Master of Education and Educational Specialist degrees are accredited by the National Council for Accreditation of Teacher Education. The graduate program in Nursing is accredited by the National League for Nursing Accrediting Commission. The Master of Arts in Student Personnel Services is fully accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

The National Association of Schools of Music (NASM) accredits all degree programs in music. All programs in Art are fully accredited by the National Association of Schools of Art and Design (NASAD).

ADMISSION TO GRADUATE STUDY

No applicant for admission to Northwestern State University shall be denied admission on the basis of sex, race, creed, or national origin.

Apply on-line at www.nsula.edu or by mail to the Office of Admissions. Entry fee should accompany the application. A lapse in enrollment of 12 calendar months, or more, will require reapplication and payment of an additional entry fee.

Admission to graduate study does not imply admission to any specific degree program. See information about admission requirements for a specific program. Catalogs are in effect beginning with the fall semester and remain in effect for the following spring and summer session. However, this *University Catalog* presents the current curricula, educational plans, course offerings, requirements and policies of this University. The provisions described in this catalog do not constitute an offer for a contract which may be accepted by students through registration

and enrollment in the University. The University reserves the right to change any curriculum, plan, course, requirement and policy and any other provision at any time during the student's period of study at the University.

Graduate students are responsible for reading and following the regulations and requirements of the Graduate School

REQUIREMENTS FOR ADMISSION TO GRADUATE STUDY INCLUDE:

1. Bachelor's degree from a regionally accredited college or university with a minimum grade point average of 2.0;
2. Application on file prior to registration;
3. Official transcripts on file prior to registration;
4. Graduate Record Examination (GRE) scores with a minimum of 600 on verbal plus quantitative sections;
5. Two letters of recommendation.

All graduate students must furnish official transcripts from each college or university attended.

All students applying for entry or re-entry to graduate study at Northwestern must be eligible to return to their former institutions to be considered for admission to Northwestern. No credit will be granted to a student by Northwestern for work done while suspended or dismissed from any institution.

Northwestern does not award graduate credits for portfolio-based experiential learning.

Non-degree students meeting the requirements for admission may enroll for graduate credit. However, no more than 12 semester hours of graduate credit earned as a non-degree student or during conditional or provisional admission may be subsequently applied toward a graduate degree program.

Provisional admission to graduate studies for non-degree students may be granted for one semester or summer term for students whose records, including GRE scores, have not been received. Failure to meet all admission requirements during the first term of enrollment will result in suspension from graduate studies. The student will not be allowed to enroll in additional graduate-level courses until all requirements are met. Upon submitting all required records, a student may later be admitted conditionally or regularly to graduate studies (see also requirements for admission to a degree program).

Provisional Admission for Undergraduate Students

An undergraduate student, enrolled at Northwestern and registered for graduation at Northwestern, who has a 3.2 quality point average on all work pursued, and who lacks no more than thirty semester hours for the completion of the baccalaureate degree may register for a maximum of twelve semester hours of graduate credit. The student must submit a request, in writing, to receive **PRIOR** approval from the Dean of Graduate Studies and Research. The request must be approved by the head (or dean) of each department involved.

*** See also general policies and procedures in general catalog section.**

Admission for International Students

To be admitted for graduate study, international students must present to Northwestern State University an evaluation of their educational credentials by a United States professional evaluating service that has been approved by the university. International students must also meet all requirements for regular admission to the Graduate School. In addition, other documents required are: official TOEFL (Test of English as a Foreign Language) scores (minimum score of 500 paper and 173 computer), an official Financial Statement Certification verifying bank funds available in U.S. dollars, an Educational Experience by Years list, a Health Form, and Immunization Record. All admission records must be on file at least 30 days prior to the date of registration. International students must meet all the requirements to achieve and maintain regular status. However, they are only admitted on a conditional basis for the first 12 hours (see conditional admission).

Concurrent Registration

A graduate student registered at Northwestern may not receive degree credit at Northwestern for any work taken concurrently at another college or university without **PRIOR** approval of the student's academic advisor and the Dean of Graduate Studies and Research. Any degree-seeking Northwestern graduate student who wishes to take courses at another college or university during a summer session, or during a regular semester when not enrolled at Northwestern, must also obtain **PRIOR** approval of the advisor and the Dean of Graduate Studies and Research.

It is the responsibility of each graduate student pursuing continuing enrollment at Northwestern to submit to the Office of the Dean of Graduate Studies and Research an official transcript of work pursued elsewhere. Northwestern will not grant credit for coursework taken by a student during any period of time in which the student is suspended or dismissed from any college or university.

Time Limit

All work applied toward the degree must have been earned in the six years immediately preceding the completion of the graduate program.

Revalidation of Courses

In special cases, upon approval of the Dean of Graduate Studies and Research, expired credits may be revalidated by examination. **TRANSFERRED CREDITS MAY NOT BE REVALIDATED.** The examination must include a written test or demonstrated performance that measure those topics currently taught in the course and must be evaluated as if the student had just completed the course. The student's written examination paper, portfolio, or performance document with accompanying instructions, course learning outcomes, and designated activities with completed rubrics must be filed in the Graduate School office. Test construction and evaluation of the assessment instrument will be done by the instructor who is currently teaching the course or who has most recently taught the course. Revalidation will be on a satisfactory/unsatisfactory basis. For grade point average purposes, the initial grade will be utilized. Requests for revalidation must be initiated in writing by the student's Graduate Advisor, approved by the College Dean, and submitted to the Graduate Dean for final approval. The cost of revalidation is \$20 a course and must be paid and the receipt on file in the Graduate Dean's office prior to taking the test.

Residence Requirement/Transfer Credit

At least two-thirds of the hours required for a master's degree must be earned at Northwestern. The additional hours required for the degree may be transferred from another institution provided the institution, including its Graduate School, is regionally accredited, the grade earned is B or above, the course is completed within the 6-years immediately preceding the completion of the graduate program, and the credits are accepted as applicable to the student's degree program. An appropriate course description and syllabus must accompany the request. All transfer credits must be reviewed and approved before adding to a plan of study. Transfer credits submitted with an application to graduate study and intended to meet degree requirements must be reviewed by the major advisor and approved by the Graduate Dean within the first term of enrollment. See also the policies related to Concurrent Registration.

Application for Graduation

A candidate for a graduate degree must file with the Dean of Graduate Studies and Research an application for graduation at the beginning of the semester or summer session in which he/she expects to complete degree requirements.

Graduation with Special Honors

Scholastic honors represent the highest form of recognition that can be bestowed upon a student by a university. As a means of acknowledging the efforts and accomplishment of students whose scholastic performances are most worthy, NSU is pleased to grant special distinction to Graduate Studies graduates who have a grade point average of 4.0 in their degree program.

Second Master's Degree

A student seeking a second master's degree may be allowed to apply from a previous graduate degree a maximum of one-half the credits required for the second degree.

Eligibility to Remain in the Graduate School

A student whose graduate cumulative average or semester average falls below 3.0 on a 4.0 scale shall be placed on probation. Probation status will be retained so long as the cumulative grade-point average is below 3.0.

A student on probation who fails to make a minimum average of 3.0 on a 4.0 scale during the next semester or summer session of enrollment shall be suspended. The first suspension is for one full academic session and the second is for one calendar year.

Upon suspension from graduate studies a student may appeal for readmission on probation by submitting to his/her advisor a letter addressed to the Dean of Graduate Studies and Research. The advisor, after consulting with the other members of the student's graduate committee, is to append a written recommendation and forward it with the letter to the Graduate Dean, who makes the final decision.

A student on probation with two previous suspensions who does not make a 3.0 on all hours attempted for the semester will be dismissed. Such dismissal is a final action.

Comprehensive Final Examination

The student must pass a comprehensive final examination—oral or written, or both—which will include a defense of the thesis, if a thesis is written.

Admission to Master's Degree Programs

REGULAR ADMISSION to a master's degree program includes the following requirements:

1. Bachelor's degree from a regionally accredited college or university;
2. Minimum 2.5 quality point average on all undergraduate hours pursued (minimum of 3.0 quality point average for the Master of Science in Nursing).
3. Completion of all undergraduate prerequisites for the degree to be pursued.
4. GRE scores of 800 or 900 for nursing and clinical psychology programs on the verbal plus quantitative parts.
5. Special requirements of the department for the degree to be pursued.

PROVISIONAL ADMISSION to a master's degree program may be granted for one semester or summer term for students whose records, including GRE scores, have not been received. **Note** that Psychology applicants **must** have on file scores on the GRE aptitude test, to be considered for provisional admission. Failure to remove provisional status after one semester or summer term will result in suspension from graduate studies or a degree program. Upon submitting all required records, a student may later be admitted conditionally or regularly to a degree program, provided all requirements for that program are met. Coursework pursued while on provisional admission is considered non-degree status. Only 12 hours of coursework earned in non-degree status may be applied to degree requirements.

CONDITIONAL ADMISSION

1. Conditional admission to some master's degree programs (excluding Master of Science in Nursing, Master of Science in Health & Human Performance, and Master of Science in Clinical Psychology) may be granted for the first 12 semester hours of approved graduate study for:
 - students whose GRE score is 600 or more, but less than the 800 or 900 required for regular admission.
 - students whose undergraduate quality point average is 2.0 or better, but less than 2.5 required for regular admission.
2. Conditional admission to a master's degree program in Nursing may be granted for:
 - students whose GRE score is 750 or more, but less than 900.
 - students whose undergraduate quality point average is 2.5 or better, but less than 3.0.
3. Conditional admission to a Master's of Science in Health & Human Performance may be granted for:
 - students whose GRE scores are at least 750 but less than 800 **and** whose undergraduate quality point average is at least 3.0 on a four point scale.
4. Conditional admission to a Master of Science in Clinical Psychology may be granted for:
 - students whose GRE score is 750 or more, but less than 900.
 - students whose undergraduate quality point average is 2.0 or better, but less than 2.5.
5. Conditional status in a master's degree program may be changed to regular status by earning 12 semester hours of approved graduate degree credit at Northwestern State University with a grade of B or better on all gradu-

ate work pursued. Failure to achieve regular status after 12 graduate semester hours will result in suspension from any master's degree program. Reinstatement will require:

- A letter of appeal written by the student with a written endorsement from the student's advisor submitted to the Dean of Graduate Studies and Research for approval.
- Re-admission and completion of 12 additional semester hours of approved degree credit at Northwestern State University with no grade lower than B. (Only approved degree credit courses will be computed in the grade average); and
- If reinstated, failure to maintain regular status will result in terminal suspension.

Requirements for Completion of the Master's Degree

When a student is admitted to graduate study for the master's degree, the head of the college/department in which the student plans to major will appoint an academic advisor. Upon the recommendation of the advisor, the Dean of Graduate Studies and Research will approve an advisory committee composed of the student's advisor and two other graduate faculty members; members of the student's committee will represent the principal fields of study to be included in the degree program. For degree seeking students a plan of study is automatically filed which is consistent with the degree requirements defined in the catalog under which the student is admitted. If a student changes majors the student will be placed under the catalog effective at the time of the change. Students can view their plans of study and monitor their progress on-line through the Student Services site accessible off of Northwestern's home page at www.nsula.edu. The student and advisor should meet to review the plan of study prior to the completion of the first term of enrollment; this plan and ANY modifications to it require the **PRIOR** approval of the Graduate Dean.

General Degree Requirements

The minimum credit requirement for the master's degree is 30 semester hours of graduate work, not more than six of which may be allowed for the thesis course and the completion of a thesis. If a student does not write a thesis, the student must complete at least six semester hours of courses which require special research procedures and formal written research reports except for certain programs in which the student, with the permission of his/her committee, may elect to complete a minimum of 33 semester hours of graduate credit including at least three semester hours in a course which requires special research procedures and a formal written research report. At least one-half of the courses taken toward completion of a degree, including one-half of those in the major field, must be courses open only to graduate students.

The graduate program must include a major area of concentration of not less than 18 semester hours. An average of not less than a "B" on all graduate work pursued, with no grade lower than "C" and not more than six hours of credit with a grade of "C", shall be presented to fulfill the course requirements for a degree. No grade below "B" is acceptable for transfer credit.

Admission to Candidacy for the Master's Degree

To be eligible for admission to candidacy for the master's degree, a student must:

- Have achieved regular status.
- Have an approved plan of study on file.

- Have completed a minimum of 12 semester hours of graduate work at Northwestern.
- Have earned a B average on all graduate work pursued.

After being eligible for admission to candidacy, a student must earn a minimum of six additional semester hours of graduate credit and/or complete the research requirement at Northwestern State University.

THE SPECIALIST'S DEGREE

(EDUCATIONAL SPECIALIST'S IN EDUCATIONAL LEADERSHIP AND INSTRUCTION)

The purpose of the Educational Specialist (Ed.S.) degree is to provide a plan of organized advanced study for practitioners in the field of education who wish to develop a higher level of competency. The program makes possible greater depth of specialization than is offered at the master's level, and each program of study is designed to meet the specific and unique needs of a particular professional position.

Admission to the Specialist's Degree Program

REGULAR ADMISSION to a specialist degree program is defined as follows:

1. Master's degree from a regionally accredited college or university and have a grade point average of at least 3.0 on all graduate work pursued;
2. Application on file with the Dean of Graduate Studies and Research;
3. Official transcripts on file prior to registration;
4. Minimum combined GRE score of 800 on the verbal and quantitative parts;
5. Minimum of three years of successful, full-time teaching (except in the counseling and educational technology concentrations), and
6. Two letters of recommendation from appropriate school and/or college officials on file prior to registration.

PROVISIONAL ADMISSION to a specialist degree program may be granted for one semester for students whose records, including GRE scores and letters of recommendation, have not been received.

Failure to remove provisional status after one semester will result in suspension from any degree program. Students may not enroll for any additional graduate level courses. Upon submitting all required records, a student may later be admitted conditionally or regularly to a specialist degree program, provided all requirements for that program are met.

CONDITIONAL ADMISSION to a specialist degree program may be granted for the first 12 semester hours of approved graduate study for students whose combined verbal and quantitative GRE score is 600 or more, but less than 800.

Conditional status in a specialist degree program may be changed to regular status by earning 12 semester hours of approved graduate degree credit at Northwestern State University with a grade of B or better on all graduate work pursued. Failure to achieve regular status after 12 graduate semester hours will result in suspension from the specialist degree program.

Requirements for the Specialist's Degree

When a student is admitted to graduate study for the Educational Specialist degree, the Dean of the College of Education will appoint an advisor who will assist the student in preparing a program of study. Upon the recommendation of the advisor,

the Dean of Graduate Studies and Research will approve an advisory committee composed of the student's advisor and three other graduate faculty members; members of the student's committee will represent the principal fields of study to be included in the degree program. After the student has taken the qualifying examination, the committee must approve a degree program for the student following completion of nine semester hours of credit beyond the master's degree before the student may register for additional work toward the Educational Specialist degree. This plan of study and any modifications to it require the **PRIOR** approval of the Dean of the Graduate School.

General Degree Requirements

Degree candidates must complete a unified program of at least 63 semester hours of graduate credit above the bachelor's degree, including a minimum of 30 semester hours in addition to master's degree requirements. A minimum of 45 hours of credit must be earned in courses open only to graduate students.

For classroom teachers, the degree program must include a minimum of 24 semester hours of credit in professional education, 24 semester hours of credit in the teaching field(s) of the student, and an additional 12 semester hours to be selected to meet the specific needs of the student.

For school-service personnel, the degree is intended to meet the peculiar and special requirements for each type of position.

An acceptable thesis or field study in the student's area of specialization is required. The thesis or field study requirement must be met at the Specialist's level.

A comprehensive examination, written, oral, or both, will be required of each degree candidate.

A student must earn a minimum average of "B" on all graduate work attempted. No course in which a grade lower than "B" is received may be included as part of the 30 semester hours required beyond the master's degree.

Special Degree Requirements

For each plan of study the College designates specific courses which must be included in the program.

To be eligible for admission to candidacy for the specialist's degree, a student must:

- Have been admitted officially to the program;
- Have an approved plan of study on file;
- Have completed a minimum of 12 semester hours of graduate work, beyond the master's degree, at Northwestern State University;
- Have earned a B average on all graduate work pursued.

After becoming eligible for admission to candidacy, a student must earn at least six semester hours of graduate credit or complete a thesis at Northwestern State University, if a thesis was not completed at the master's level.

Residence Requirement/Transfer Credit

The minimum residence requirement is one semester or two consecutive summer sessions of full-time enrollment beyond the master's degree at Northwestern. A maximum of nine semester hours of graduate credit at a regionally accredited college or university may be included as part of the required 30 semester hours beyond the master's degree.

THESES, RESEARCH PROBLEMS, FIELD STUDIES

The Graduate School at Northwestern State University requires the completion of a thesis or research problem for a master's degree and the completion of a thesis or field study for

a specialist's degree. The Graduate Council and the individual academic department or college prescribe the requirements and procedures for the completion of a thesis, research problem, or field study. Research options vary among the individual degree programs. It is the responsibility of the student, working with an advisory committee, to meet fully the research requirements for the specific degree pursued. The thesis, research problem, or the field study must be completed consistent with the approved proposal. **A proposal alone is not acceptable as the final document.** A thesis, research problem, or field study which is not represented primarily as a written work must be accompanied by a written summary document including a research base along with artifacts of the effort that demonstrate completion and attest to its quality.

Submission Deadlines

Thesis Proposals

A thesis proposal cover sheet, with signatures from the student's advisory committee must be submitted to the Dean of Graduate Studies **at least one semester** prior to the semester in which the student plans to graduate. The student's committee must approve any changes made to the proposal subsequent to approval of the proposal by the Dean of Graduate Studies. The proposal cover sheet format is available on the Graduate School website.

Thesis, Research Problem, Field Study

The completed and approved thesis, research problem, or field study must be submitted to the Graduate School at least two weeks prior to the expected date of graduation.

Submission Requirements

Number of Final Copies

The Graduate School requires two copies of a thesis, and one copy of a research problem or field study. The student's major department or college may require additional copies. Each copy of the completed and approved thesis is to be submitted to the Dean of Graduate Studies and Research in a separate filing envelope and arranged in exact page order for binding. Each envelope shall have attached to it a copy of the title page. After the Graduate Dean approves the thesis and signs the signature page the thesis will be sent to the bindery. The student is solely responsible for the correctness of all documents submitted to the Graduate School.

Format

Style

An authoritative style manual (e.g., APA, MLA), as selected by the student's major department or college, is to be followed with consistency in the preparation of the document. In no instance should another thesis, research problem or field study be used as an authority for style.

Page format

The text must be double-spaced and on one side of the paper only. Margins must be one and one-half inches on the left edge and one inch on the remaining three edges. Headings, pagination, citations, etc., should conform to the style manual selected by the student's major department or college.

Type format

A font size of 12 characters per inch should be used. Script type is not acceptable except for italics. Word processor type must be of "letter quality," with a non-justified right

margin, and with no irregular spacing of words or letters within the text. To ensure consistency, all pages of each copy should be prepared on the same printer device. All text should be in black.

Cover Page

The cover page of the thesis proposal and of the final document must adhere to the models approved by the Graduate Council. (See model forms at www.nsula.edu/graduate_studies).

Abstract

Abstracts are required for theses, research problems and field studies. An abstract must be prepared and approved by the student's committee. The thesis abstract must be double-spaced and must contain no more than 350 words in the body, excluding the general heading. The general heading should be single-spaced and conform to the following example:

Jones, James William, B.S., Atlantis University, 1985
Master of Science, Northwestern State University, Fall
(or Spring) Commencement 1998
Major: Government; Minor: Economics
"The Functions of the Equalization Fund in Six Southern States"

This directed by Professor John I. Blank
Pages, 194. Words in abstract, 231.

Appendices, Illustrations, and Attachments

Appendices that cannot be bound with the text (e.g., magnetic tapes, art works, films, or materials to be put in cover board pockets) must be included in the table of contents. Maps or plates to be bound with the thesis text must be submitted rolled, not folded, and in mailing tubes marked with the student's name. Graphs, tables, and illustrations should be in a form suitable for reproduction within the text of the document. In cases where a product is web based a URL should be indicated.

Paper Type

All final documents should be on white bond paper of 20-pound substance and at least 50 per cent cotton fiber content. All pages of each copy must be prepared on the same brand and quality of paper.

Human Subjects

Students selecting a topic employing human subjects must follow the procedures outlined by the University Human Subjects Institutional Review Board. Appropriate documentation should be appended.

Enrollment

After the first enrollment for the thesis, the student is required to maintain continuous enrollment until the final paper is approved. Maximum credit to be granted for the thesis is six semester hours. Research problems should be completed during the semester of enrollment for the associated course.

Reproduction

Copies may be printed—offset or litho-print, or electronically reproduced by xerography, laser printer, or other process of equal quality. Proof of quality of reproduction of all pages of each copy is the responsibility of the student.

Deadlines

Two approved copies of the thesis and one additional copy of the thesis abstract, and one copy of the research problem or field study document must be submitted to the Dean of

Graduate Studies and Research no later than two weeks prior to the expected date of graduation.

Binding fees

When final copies of theses are filed, the student should pay to the cashier an amount sufficient to cover binding expense. The receipt for the fees should be filed with the Graduate Dean's office along with the completed copies. Binding fees include the cost of each copy bound as well as any additional fees for special treatment. Theses of more than 400 pages will be bound in more than one volume, and multiple binding fees will be charged. In such cases, the writer must provide a title page for each volume, display the volume number directly under the title, and indicate the volume division in the table of contents, which must be placed at the beginning of the first volume.

Minimum and Maximum Course Load

The maximum amount of course work for which a graduate student may register in a regular semester is 16 semester hours (12 in a summer session). The minimum load for a full-time graduate student in a regular semester is 9 semester hours (6 in a summer session). The maximum course load of a student may be reduced at the discretion of the major professor/advisor.

The following regulations apply in a summer session:

1. A graduate student may only earn one hour of graduate credit per week in a summer session.
2. A graduate student may not take two three-week, three-hour courses in the same three-week session (such as one morning and one afternoon or evening class).
3. A graduate student may take two four-and-one-half week, three-hour courses in the same four-and-one-half week period.
4. A graduate student may take a maximum of three three-hour courses during the nine-week session, or a maximum of nine credit hours for the nine-week session.
5. A graduate student is considered full-time when enrolling for six credit hours for the summer.
6. Maximum course load for graduate students enrolled in the summer session is twelve credit hours.

Any exception to these maximum and minimum load limits requires the prior approval of the Dean of Graduate Studies.

Grades and Quality Points

Grades

Students are graded in their studies on the quality of work. Five grades are in use, as follows: A (excellent), B (good), C (average), D (below average), and F (failure). A course with a grade of "Pass" or a grade of "D" may not be used to satisfy a course requirement for a graduate degree.

A grade of "I" (Incomplete) means that course work is incomplete due to circumstances beyond the control of the student and that successful completion of this work could lead to a passing grade. A grade of "IP" (In progress) means that work in a research or thesis course is incomplete, but in progress. Except for thesis courses or those courses in which the student is writing a formal research project/paper-in-lieu of a thesis, incomplete grades must be removed within 60 calendar days after the end of the term in which the grade was assigned. If the work is not completed within the allotted time, the grade of "I" will be changed to "F". An "IP" grade will not be changed to "F" and does not average into the student's grade point average.

If a student earns more than six hours in thesis the student's transcript will provide only six hours of grades for thesis. All other "IP" grades will remain "IP" on the transcript. The student's thesis director and the Graduate Dean will determine which six hours of "IP" will be changed to the letter grade assigned by the thesis director when the thesis is satisfactorily completed.

A grade of "W" represents an official withdrawal from the course.

Quality Points

In addition to earning credit hours for courses satisfactorily completed, students earn quality points according to the semester grades they make in the courses pursued. The following table is used in computing quality points:

- Grade A yields four points per semester hour of credit represented.
- Grade B yields three points per semester hour of credit represented.
- Grade C yields two points per semester hour of credit represented.
- Grade D yields one point per semester hour of credit represented.
- Grade F yields no credit.

Repeating Courses

When a course is repeated at Northwestern State University, all grades earned will be used in computing the grade point average. This means that all attempts at a repeated course will be computed into the cumulative (overall) grade point average and all course grades will appear on the transcript.

If a course is failed at NSU, credit can only be obtained for the course by repeating the course at NSU. If a course is taken at NSU in which a specific grade is required and that grade is not obtained, the course must be repeated at NSU.

When a student repeats a course, the last grade received shall be accepted as the final grade in determining graduation requirements.

Transcripts of Credit

Any person who has earned credit may obtain a certified copy of their transcript, provided the student has no holds with any departments of the University. Copies of official transcripts must be requested by the student directly from the University Registrar and Admissions Office. Unofficial transcripts may be downloaded from the Student Services website at www2.nsula.edu.

Grade Appeal

Graduate students who receive grades they believe do not reflect the quality of their work may appeal these grades within 120 days following the academic period in which the grades were earned. The procedure for appeal is as follows:

1. The student should consult the instructor to see if an understanding can be reached. The student is entitled to an explanation as to how the grade was determined and to examine any tests, papers, or other information pertinent to the appeal.
2. If the conference with the instructor is not satisfactory, the student should secure a Grade Appeal Form from the Dean of Graduate Studies and Research. The student may discuss the appeal informally with the Dean of Graduate Studies if the student so desires.

3. In filing a formal appeal, the student should complete the appeal form, 1. stating the nature of the appeal, 2. providing a detailed description of the justification, and 3. requesting a specific action. Since the written appeal will be the basis for the ultimate decision, the student should ensure that it is clear, complete, and inclusive of all documentation the student wishes to have considered in the appeal process. It is the student's responsibility to present written evidence that the instructor made an error or acted arbitrarily or capriciously in assigning the grade.
4. The student should submit the completed appeal form to the instructor for review. If a solution is not found, the instructor should provide a written response to the student's appeal, providing documentation as to how the grade was determined. The instructor's response should include a copy of the course outline or syllabus provided to the student's class at the beginning of the semester or term.
5. After having met with the instructor and obtaining his or her written response to the appeal, the student may submit the form to the head of the department in which the course was offered (or to the dean of the college if the course was offered in the College of Business, Education, or Nursing). Following a review of the student's appeal and the instructor's response, the department head or dean of the college should provide his or her written opinion of the appeal along with any additional, pertinent information.
6. If the student is unsatisfied with the opinion of the department head (or dean of the college), he or she may submit the appeal to the Dean of Graduate Studies and Research. The Dean of Graduate Studies may make a decision, which would be final, or refer the appeal to the University Graduate Council for review and recommendation. The Council's report would be a recommendation to the Dean of Graduate Studies and Research, whose decision would be final. The Dean of the Graduate School will notify the student of the final decision.

Semester Examinations

Final examinations are scheduled at the end of each regular semester and summer sessions. Any departure from the published examination schedule requires the prior approval of the Provost and Vice President for Academic Affairs.

No student may be excused from a final examination. Absence from a final examination, other than in a case of extreme emergency, is construed and recorded as failure in the course.

Academic Honor Code

Academic dishonesty is defined as the following: 1) acquiring or using a published test bank, 2) copying from another student's test, paper or computer file, 3) using unauthorized materials during a test, 4) collaborating during a test with any other person by giving or receiving information without authority, 5) stealing, buying, or otherwise obtaining non-administered or unauthorized tests, 6) selling or giving away non-administered or unauthorized tests, 7) bribing anyone to obtain information about a test, 8) substituting for another student or permitting another person to substitute for oneself to take a test, 9) submitting as your own, in fulfillment of academic requirements, any work prepared totally or in part by another, 10) supplying to another student any theme, report, or other work for use in fulfilling academic requirements, and 11) plagiarism, defined as the use of another person's work and the unacknowledged incorporations of that work in one's own work that is offered for credit.

Academic dishonesty will result in one of the following disciplinary measures to be decided by the course instructor: 1) verbal/written warning, 2) conference with department chair or dean, 3) reduction of test/course grade to an "F". A student may subsequently be placed on probation or suspended or expelled and forced to withdraw from Northwestern as a result of academic dishonesty.

Refer to the section in the Student Handbook concerning Academic Infractions and Sanctions for Academic Misconduct.

Graduate Assistantships

Graduate assistantships are available for highly qualified graduate students. To be eligible for a graduate assistantship, the student must:

1. Be accepted into a graduate degree program (master's or specialist)
2. Achieve "regular admission" status
3. Be considered a "full-time" student at Northwestern State University.

The minimum credit course load for graduate assistants in the fall/spring semesters is nine semester hours of which at least six semester hours must be for graduate credit. The maximum course load for graduate assistants is twelve semester hours. In the summer session a graduate assistant must be enrolled for six semester hours of which at least three semester hours should be for graduate credit. To be eligible to retain the assistantship, the student must:

1. Maintain a B average in all graduate courses
2. Meet all other stated requirements of the Graduate School

Out-of-state tuition, if applicable, is waived for graduate assistants.

Applications for assistantships should be directed to the Dean of Graduate Studies and Research.

Graduate Student Housing Information

Facilities and Services

NSU offers a variety of options to students for on-campus residency. Spacious, furnished residence halls, a modern gated apartment-style complex, and unfurnished apartments for non-traditional students are available on the Natchitoches campus.

Specific floors in dormitories have been set aside for graduate students and are available on a 12 month basis. All dormitories are air conditioned and have telephone services. Parking is available outside the residence hall and controlled by University Police. Coin operated washing machines and dryers are located in the laundry rooms.

Applications for residence hall rooms or student apartments and questions about housing should be addressed to the Coordinator of Housing, NSU, telephone (318) 357-6703.

General Information

The rooms in the residence halls are furnished with two single beds, two closets, desk and shelf space for each resident. The student will need sheets, blankets, and bedspread for a single bed, pillows, towels, wash cloths, and personal grooming items. Except for small tropical fish tanks, no pets are allowed.

For Housing Information Contact:

Coordinator of Housing, NSU, Natchitoches, LA 71497-0002. Telephone (318) 357-6703.

Disability Services

Disability Services works directly with all faculty and staff, providing in-service training in understanding of disabilities and the requirements of the Americans with Disabilities Act (ADA) of 1990 and section 504 of the Rehabilitation Act of 1973. Services for students with disabilities include making reasonable accommodations necessary to eliminate discrimination of the basis of disability. Some reasonable accommodations include, but are not limited to: extending time limits on examinations, allowing lectures to be tape-recorded when disabilities impair a student's ability to take notes and providing scribes for students with motor impairments. Provisions are also made for registration assistance, interpreters, and many other accommodations. For more information, call Disability Services at (318) 357-6950 or TTD (318) 357-4393.

Commitment to Equal Employment Opportunity

It has been, and will continue to be, the policy of Northwestern State University to be an equal opportunity employer. In keeping with this policy, the University will continue to recruit, hire, train, and promote into all job levels the most qualified persons without regard to race, color, religion, sex, or national origin. All personnel actions, such as compensation, benefits, transfers, layoffs, training, and education are administered without regard to race, color, religion, creed, sex, age, national origin, disability, or veteran status.

The University is committed to providing access to educational programs, tuition assistance, and social and recreational activities for all students without regard to race, color, religion, creed, sex, age, national origin, disability or veteran status.

All employment decisions are based on job related standards and must comply with the principles of equal employment opportunity.

Refund Policy

Standard University Resignation Refund Policy

- A. A **100% refund** of registration, out-of-state, laboratory, and student association fees will be made when a student officially resigns on or before the last day to register for credit.
- B. A **50% refund** of registration, out-of-state, and laboratory fees only will be made when a student officially resigns within seven calendar days after the last day to register for credit.

The following charges are non-refundable: alumni fee, parking permit fee, installment plan charge, late registration fee, infirmity fee, room application fee and application fee.

Student insurance is refundable only if requested in writing to Health Services within the first two weeks after the opening date of a regular semester's registration with submission of proof of coverage under another policy.

Courses dropped with a grade of "W" are not refundable at any time and will not be credited to a student's account. In some cases, the refund policy will result in a reduction of charges and not a "cash" refund.

RETURN OF TITLE IV FUNDS – This return policy applies to any student who receives Title IV assistance (Pell Grant, SEOG, Perkins Loan, Unsubsidized Federal Stafford Loan, Federal Direct PLUS Loan, and Federal Direct Stafford Loan), and who resigns from the University during the first 60% of the semester. Returns will be made based on the percentage of the payment period or period of enrollment for which the financial aid was awarded that was completed as of the day the student withdrew. The earned percentage is applied to the total amount of Title IV grant and loan assistance that was disbursed (and that could have been disbursed) to the student, or on the student's behalf, for the payment period or period of enrollment for which it was awarded as of the day the student withdrew.

GRADUATE DEGREE PROGRAMS

Master of Arts (M.A.) in Adult Education; Art; English; Student Personnel Services

Master of Education (M.Ed.) in Education with concentrations in:

- Business & Distributive Education
- Counseling
- Early Childhood Education
- Educational Leadership
- Educational Technology
- Elementary Teaching
- English Education
- Family & Consumer Sciences Education
- Health & Physical Education

Master of Arts in Teaching (M.A.T.) with concentrations in:

- Early Childhood Education Grades PK – 3
- Elementary Education Grades 1 – 5
- Middle School Education Grades 4 – 8
- Secondary Education Grades 6 – 12

Master of Music (M.M.) in Music

Master of Science (M.S.) in Clinical Psychology with concentrations in:

- Substance Abuse
- Prevention Specialist

Master of Science (M.S.) in Health and Human Performance with concentrations in:

- Health Promotion
- Physical Education
- Sport Administration

- Mathematics Education
- Reading
- Secondary Teaching
- Science Education
- Social Sciences Education
- Special Education:
 - Gifted Education
 - General
 - Mild/Moderate Certification

Master of Science in Nursing (M.S.N.) in Nursing with concentrations in:

- Acute Care Nurse Practitioner
- Adult Nursing
- Critical Care Nursing of the Adult
- Maternal Child and Family Nursing
- Mental Health/Psychiatric
- Family Nurse Practitioner
- Neonatal Nurse Practitioner
- Pediatric Nurse Practitioner
- Women's Health Nurse

Educational Specialist (Ed.S.): Educational Leadership & Instruction with concentrations in:

- Counseling
- Educational Leadership
- Educational Technology
- Elementary Teaching
- Reading
- Secondary Teaching
- Special Education

COLLEGE OF EDUCATION

Graduate Degree Programs

Alternate Post-Baccalaureate Certification Program

Northwestern State University offers three state-approved certification programs which allow individuals with non-education degrees to earn Louisiana teacher certification.

- 1) The Practitioner Teacher Program, Preparing Responsive Educators Program (PREP),** is an accelerated program for those teaching in Louisiana public schools. Certification is available in Elementary Education Grades 1 – 5, Middle School Education Grades 4 – 8, Secondary Education Grades 6 – 12, and Mild/Moderate Special Education Grades 1 – 12. PREP applicants must present a “letter of intent to employ” from an employing parish. Students who have been admitted to NSU’s Graduate School may also pursue a Master of Arts in Teaching degree, which includes additional coursework and requirements beyond those of PREP.
- 2) Masters Degree Program in Alternate Certification: Professional Studies** offers coursework leading to a Master of Arts in Teaching degree and teacher certification in Elementary Education Grades 1 – 5, Middle School Education Grades 4 – 8, or Secondary Education Grades 6 – 12. This program does not require a letter of intent for employment and is not a fast track or an accelerated program of study.
- 3) Non-Masters Degree Program in Alternate Certification** offers coursework leading to teacher certification in Early Childhood Education Grades Pre-K – 3, Elementary Education Grades 1 – 5, Middle School Education Grades 4 – 8, Secondary Education Grades 6 – 12, and Mild/Moderate Special Education Grades 1-12. Students must meet all requirements for admission to Graduate Study during the first term of enrollment. Only 12 hours of credit earned in a non-degree status will transfer to a degree program.

Admission requirements in all Alternate Certification programs include: an earned baccalaureate degree from a regionally accredited institution with a minimum overall grade point average of 2.50 on a 4.00 scale; passing scores on PRAXIS PPST* (Reading, Writing, and Mathematics); and the appropriate PRAXIS Specialty Area examination. PREP students must present a “letter of intent to employ” from an employing parish.

Students in all programs must complete a one-year internship (or one semester of student teaching for Professional Studies or the Non-Master’s Alternate Certification Program) in the grade level and content area of the certification pursued. Students in PREP must present a passing score on the PRAXIS Principles of Learning and Teaching in order to complete certification. Students in the Professional Studies and Non-Masters Degree program must present a passing score on the PRAXIS Principles of Learning and Teaching *prior to enrollment in an internship.*

Students who are not eligible for retention in one alternate certification program may not transfer to another alternate certification program at Northwestern.

* New PRAXIS I PPST cutoff scores were effective beginning with the freshman class who entered in the summer 2004 session. Transfer and alternate program students will be required to comply with the new cutoff scores beginning with the summer 2005 session.

	OLD scores	NEW scores
Reading	172	174
Writing	171	173
Mathematics	170	172

NOTE: No final grade below a “C” will be accepted in any course required for certification.

Master of Arts in Teaching Degree (506, 507, 508)

Concentration Areas:

- Elementary Education, Grades 1 – 5 (506)
 - Professional Studies (506A)
 - Preparing Responsive Educators Program: PREP (506B)
- Middle School Education, Grades 4 – 8 (507)
 - Professional Studies (507A)
 - Preparing Responsive Educators Program: PREP (507B)
- Secondary Education, Grades 6 – 12 (508)
 - Professional Studies (508A)
 - Preparing Responsive Educators Program: PREP (508B)

Requirements for the Master of Arts in Teaching in all Concentration Areas listed above include 33 semester hours as follows:

- Foundations (9 hours): Education 5010, 5020, 5030.
- Concentration Area (12-24 hours): To be selected from courses in the student’s Concentration Area.
- Support Area (0-9 hours): To be selected from courses that support the student’s Concentration Area.
- Application Area (0-3 hours): Education 5950 or 5980.

M.A.T. in Elementary Education, Grades 1-5 (506)

Professional Studies (506A)*

Special requirements: Minimum of 33 semester hours.
Specialized Academic Education: Be admitted to Alternate Certification Program.

- Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area: Education 5600 (3 hours), 5610 (3 hours), and 5410 (6 hours).
- Support Area: Educational Psychology 4400 (3 hours), 5490 (3 hours), Special Education 5510 (3 hours).
- Application Area: Education 5950 (3 hours) or 5980 (3 hours).

Preparing Responsive Educators Program: PREP (506B)**

Special requirements: Minimum of 33 semester hours.
Specialized Academic Education: Be admitted to PREP.

- Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area: Education 5630 (3 hours), 5640 (3 hours), 5410 (6 hours).
- Support Area: Education 5370 (3 hours), 5380 (3 hours); and Educational Psychology 5480 (3 hours).
- Application Area: Education 5950 (3 hours) or 5980 (3 hours).

M.A.T. in Middle School Education, Grades 4-8 (507)

Professional Studies (507A)*

Special requirements: Minimum of 33 semester hours.
Specialized Academic Education: Be admitted to Alternate Certification Program.

- A. Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- B. Concentration Area: Education 5600 (3 hours), 5610 (3 hours), and 5420 (6 hours).
- C. Support Area: Educational Psychology 4400 (3 hours); 5490 (3 hours), Special Education 5510 (3 hours).
- D. Application Area: Education 5950 (3 hours) or 5980 (3 hours).

Preparing Responsive Educators Program: PREP (507B) **

Special requirements: Minimum of 33 semester hours.

Specialized Academic Education: Be admitted to PREP.

- A. Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours)
- B. Concentration Area: Education 5630 (3 hours), 5640 (3 hours), 5420 (6 hours).
- C. Support Area: Education 5370 (3 hours), 5380 (3 hours); and Educational Psychology 5480 (3 hours).
- D. Application Area: Education 5950 (3 hours) or 5980 (3 hours).

M.A.T. in Secondary Education, Grades 6-12 (508)

Professional Studies (508A)*

Special requirements: Minimum of 33 semester hours.

Specialized Academic Education: Be admitted to Alternate Certification Program.

- E. Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- F. Concentration Area: Education 5600 (3 hours), 5610 (3 hours), and 5430 (6 hours).
- G. Support Area: Educational Psychology 4400 (3 hours), 5490 (3 hours), Special Education 5510 (3 hours).
- H. Application Area: Education 5950 (3 hours) or 5980 (3 hours).

Preparing Responsive Educators Program: PREP (508B) **

Special requirements: Minimum of 33 semester hours.

Specialized Academic Education: Be admitted to Alternate Certification Program.

- E. Foundations: Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- F. Concentration Area: Education 5630 (3 hours), 5640 (3 hours), and 5430 (6 hours).
- G. Support Area: Education 5370 (3 hours), 5380 (3 hours); and Educational Psychology 5480 (3 hours).
- H. Application Area: Education 5950 (3 hours) or 5980 (3 hours).

* Passing score on PRAXIS Principles of Learning and Teaching required for admission to PREP.

** Passing score on PRAXIS Principles of Learning and Teaching is a degree requirement.

Master of Education in Education (505)

Concentration Areas:

- Business and Distributive Education (505A)
- Counseling (505B)
- Early Childhood Education (505C)
- Elementary Teaching (505E)
- English Education (505F)
- Family and Consumer Sciences Education (505G)
- Mathematics Education (505H)
- Reading (505I)

- Science Education (505J)
- Secondary Teaching (505K)
- Social Sciences Education (505L)
- Special Education, Gifted Education (505N)
- Special Education, General (505O)
- Special Education, Mild/Moderate Certification (505P)
- Educational Technology (505R)
- Health and Human Performance (505S)
- Adult and Continuing Education (505V)
- Educational Leadership (505W)

Requirements for the Master of Education Degree in education in all Concentration Areas listed above include 33 semester hours as follows:

- A. FOUNDATIONS (9 hours): Education 5010, 5020, 5030.
- B. CONCENTRATION AREA (12-24 hours): To be selected from courses in the student's Concentration Area.
- C. SUPPORT AREA (0-9 hours): To be selected from courses that support the student's Concentration Area.
- D. APPLICATION AREA (0-6 hours): Education 5950 or 5980.

Business and Distributive Education Concentration (505A)

Undergraduate preparation: valid teaching certificate in business education or a valid vocational-technical certificate in business or distributive education.

Special requirements: minimum of 33 semester hours to include:

Business Education:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Business Education 5100, 5160, 5920, and six hours to be selected from: Business Education 4200, 4220, 5210, 5930, 6210.
- C. Support Area: Six hours to be selected from Business Administration 4800, Computer 5000, 5030, Educational Technology 4820, 4830, 5730, 5770.
- D. Application Area: Education 5950 or 5980.

Distributive Education:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Distributive Education 5110, 5920, and nine hours to be selected from: Distributive Education 4210, 6010, 6240, Business Education 4200, 4220, 4230, 5210, 5930, 6210.
- C. Support Area: 6 hours to be selected from: Business Administration 4800, Computer 5000, 5030, Educational Technology 4820, 4830, 5730, 5770.
- D. Application Area: Education 5950 or 5980.

Counseling Concentration (505B)

May be pursued simultaneously with the Ed.S. in Counseling.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Counseling 5000, 5510, 5530, 5540, 5570, 5580, and Educational Psychology 5460.
- C. Support Area: No hours required.
- D. Application Area: 3 semester hours of Education 5950 or 5980.

Note: An additional 6 hours in Educational Psychology 5520 and Counseling 5610 are required for certification.

Early Childhood Education Concentration (505C)

Undergraduate preparation: valid teaching certificate in early childhood education, elementary education, or family and consumer sciences education.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 15 hours to include Early Childhood Education 5010, 5180, 5190, 5430, 5450.
- C. Support Area: Early Childhood Education 5470 and 3 hours selected from Early Childhood Education 5020, 5460.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Educational Leadership Concentration (505W)

Undergraduate preparation: A valid Louisiana teaching certificate is required of persons seeking certification as a principal or supervisor in Louisiana.

Special requirements: minimum of 33 semester hours to include:

Administration:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Educational Leadership 5100, 5110, 5140 or 5350, 6110, 6120, 6130, 6140.
- C. Support Area: No hours required.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Supervision:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Educational Leadership 5100, 5110, 5150, 6130 and Education 5160.
- C. Support Area: Two of the following: Educational Psychology 4400, 5410, 5460 or Educational Technology 5710.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Elementary Teaching Concentration (505E)

Undergraduate preparation: certification to teach in the elementary school.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Reading 5110, Education 6450, 6 semester hours selected from Education 5090, 5310, 5320, 5330, Special Education 5830.
- C. Support Area: Nine semester hours of subject concentration selected from either reading, educational technology, an area of certification, or a subject area taught in the elementary school.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

English Education Concentration (505F)

Undergraduate preparation: valid teaching certificate for secondary grades in English or another certification area with a minimum of 21 semester hours in English at the undergraduate level.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 18 semester hours in English.

C. Support Area: Education 5160.

D. Application Area: 3 semester hours in Education 5950 or 5980.

Family and Consumer Sciences Education Concentration (505G)

Undergraduate preparation: valid teaching certificate in Family and Consumer Sciences Education.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 12-18 hours to include Family and Consumer Sciences 5000, 5140.
- C. Support Area: 3-9 hours to be selected from list of approved electives maintained in the College of Education.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Mathematics Education Concentration (505H)

Undergraduate preparation: certification to teach mathematics.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: 18 semester hours in mathematics.
- C. Support Area: Education 5160.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Reading Concentration (505I)

Undergraduate preparation: certification to teach in the elementary or secondary school; at least one undergraduate course in reading methods.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: Reading 5110, 5130, 5150, 5510, 5710, 6510, Library and Information Science 5020.
- C. Support Area: No hours required.
- D. Application Area: 3 semester hours in Education 5950 or 5980.

Science Education Concentration (505J)

Undergraduate preparation: certification to teach science or mathematics; 18 semester hours in biological sciences including Biology 1010-1011, 1020-1021, Botany 2100-2101, Microbiology 2060-2061, Zoology 2050-2051 or equivalent for concentration in biology education; 14 semester hours from Chemistry 1030, 1040-1031-1041, 3010-3011, 3020-3021, 2110-2111, 2120-2121 or equivalent for concentration in chemistry education; 15 semester hours in Physics, including Physics 2030-2031, 2040-2041, 2510-2511, 2520-2521, or their equivalent for primary concentration in physics education.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration Area: The student will choose two areas of concentration. A student will complete 12 hours of graduate credit in a primary concentration area and 6 hours of graduate credit in a secondary concentration area, selected from biology, chemistry or physics (i.e. 12 hours chemistry, six hours physics; 12 hours biol-

ogy, six hours chemistry; 12 hours chemistry, six hours biology). Three-six hours in the concentration area will be internship hours. Students will teach an introductory science laboratory course (Biology 1011 or 1021, Chemistry 1031, 1041, or Physics 2031 or 2041).

C. Support area: Education 5160.

D. Application area: Three semester hours in Education 5950 or 5980.

Secondary Teaching Concentration (505K)

Undergraduate preparation: certification to teach in the secondary school.

Special requirements: minimum of 33 semester hours to include:

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: 12 semester hours in a content area.

C. Support Area: Education 5160 and six semester hours to be selected from Educational Leadership 5150, Educational Psychology 5460 or Educational Technology 5710 or Reading 5130 or 5150.

D. Application Area: Three semester hours in Education 5950 or 5980.

Social Science Education Concentration (505L)

Undergraduate preparation: valid teaching certificate and 33 semester hours of social sciences.

Special requirements: minimum of 33 semester hours to include:

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: 18 semester hours in the social sciences.

C. Support Area: Education 5160.

D. Application Area: 3 semester hours in Education 5950 or 5980.

Special Education Areas

Undergraduate preparation: valid teaching certificate.

Special requirements: minimum of 33 semester hours to include:

Gifted Education Concentration (505N)

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: Special Education 5830, 5840, 5860, 5870, 5890, 5900.

C. Support Area: Educational Technology 5710.

D. Application Area: 3 semester hours in Education 5950 or 5980.

General Concentration (505O)

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: 12-18 hours to be selected from Special Education 4520, 4650, 5230, 5240, 5260, 5270, 5320, 5340, 5350, 5360, 5370, 5960, 5970, Educational Psychology 5370.

C. Support Area: 3-9 semester hours from Educational Psychology 5410, 5460, Educational Technology 5700, 5710, Reading 5110, 5510, 5710, Special Education 5840.

D. Application: 3 semester hours of Education 5950 or 5980.

Mild/Moderate Certification (505P)

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: 15-18 hours to be selected from Special Education 4520, 5340, 5450, 5510¹, 5520, 5570, 5600.

C. Support Area: Educational Psychology 5370, Special Education 5960.

D. Application Area: 3 semester hours of Education 5950 or 5980.

¹ To be taken if 3460 or 4460 has not been taken previously.

Educational Technology Concentration (505R)

Special requirements: minimum of 33 semester hours to include:

Teaching with Technology:

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: Educational Technology 5710, 5730, 5750, and 5780.

C. Support Area: 9 hours to be selected from Educational Technology 4810, 4820, 4830, 4840, 4850, 5700, 5760, 5770, 5790, Adult and Continuing Education 4720, 5740.

D. Application Area: 3 semester hours of Education 5950 or 5980.

Technology Leadership:

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: Educational Technology 5700, 5710, 5760, and 5780.

C. Support Area: Educational Technology 4840, 5790, and 3 hours from Educational Technology 5770 or Adult and Continuing Education 5740.

D. Application Area: 3 semester hours of Education 5950 or 5980.

Health and Human Performance Concentration (505S)

Undergraduate preparation: undergraduate preparation for a major or minor in Health and Human Performance as defined at Northwestern State University.

Special requirements: minimum of 33 semester hours to include:

A. Foundations: Education 5010, 5020, 5030.

B. Concentration Area: Human Performance 4360, 5250, 5430, 5470 or 5660.

C. Support Area: Health Education 4880, 5100, 5200.

D. Application Area: 3 semester hours in Education 5950 or 5980.

Master of Arts program in: Adult Education (510)

This program is designed to meet the instructional needs of those persons who provide training in work-force development sites, businesses, educational institutions, and social agencies. The degree requirements serve both teacher-certified and non-certified students interested in careers in adult education.

The program consists of a minimum of 33-semester hours, including a 12-semester hour core, a 12-semester hour concentration, a 6-semester hour support area, and a 3-semester hour application area. The program addresses standards of the National Council for the Accreditation of Teacher Education and the Commission of Professors of Adult Education. All courses are offered through distance learning delivery system via the Internet.

Required courses in the program emphasize adult development and learning theories, foundations of adult and continuing education, instructional design, and integration of appropriate technologies. In addition, a research course focuses on data-driven activities for assessing the criteria, standards, and strategies that a community of practitioners need to employ to make sound, empirically supported professional decisions.

Special requirements: minimum of 33 semester hours to include:

- A. Foundations: Education 5840; Adult Education 5700, 5710; Educational Technology 5780.
- B. Concentration Area: Adult Education 4700, 5730, 5740, 5750.
- C. Support Area: 3-6 semester hours from Adult Education or Educational Technology.
- D. Application Area: 3-6 semester hours from Education 5950 or 5980.

Master of Arts program in: Student Personnel Services (575)

A Master of Arts degree in Student Personnel Services (CACREP accredited) consists of two separate concentration areas. The Student Affairs concentration prepares students for entry level administrative positions in technical, community college, and university settings. The College Counseling concentration prepares students for careers in college counseling centers. The degree requires 48 semester hours of credit and typically requires a minimum of four semesters and one summer of enrollment. No teaching certification or particular undergraduate degree is required for admission, although a course in statistics is a prerequisite for several courses.

Required courses common to both concentration areas include: Student Personnel Services 5500, six credits in 5570, 5580, 5920, 5930, 5960; Counseling 5000, 5510, 5530, 5610; Educational Psychology 5460, 5520; and Education 5010. Student Affairs concentration students take Student Personnel Services 5550 and 5970. College Counseling concentration students take Counseling 5550 and 6530.

The College Counseling concentration prepares graduates to seek the National Certified Counselor credential. Students interested in licensure in Louisiana are encouraged to take additional course work including Counseling 6520 (necessary), Student Personnel Services 5800 (recommended), and Counseling 5650 (recommended).

Students should note that some courses have prerequisites which must be taken in the correct order. See the course descriptions in this catalog for prerequisite information.

All students are required to pass a comprehensive examination near the end of their program and complete either a thesis or paper-in-lieu of thesis. Additional details on these requirements can be found in the Student Personnel Services Student Handbook.

To be admitted to the Student Personnel Services program, prospective students must first be fully admitted to graduate studies at Northwestern. In addition to the application materials for Graduate Studies, applicants must submit an autobiographical career statement and be interviewed by program faculty. Prospective students are referred to the Student Personnel Services program's student handbook or website (www.education.nsuola.edu/spss/) for more specific details about the program and admission procedures. As noted, admission to Graduate Studies does not guarantee admission into the Student Personnel Services program.

Students will be assigned a temporary advisor upon applying for admission. The temporary advisor will become the student's major professor after admission to the program unless the student requests otherwise. All courses are not offered every semester and students should pay attention to both prerequisites and time offered in planning their matriculation. Students are strongly urged to consult with their advisor before registering.

Educational Specialist program in: Educational Leadership and Instruction (582)

The Educational Specialist degree is offered in Educational Leadership and Instruction with the following concentration areas:

- Counseling (582A)
- Elementary Teaching (582C)
- Reading (582D)
- Secondary Teaching (582F)
- Special Education (582G)
- Educational Technology (582H)
- Educational Leadership (582I)

Counseling Concentration (582A)

May be pursued simultaneously with the M.Ed. degree in Counseling.

Degree Requirements: Courses required for the Master's degree (Counseling) must have been completed as a prerequisite for entry and form the first 30 credits for the Education Specialist. Education 6700, Educational Psychology 6420, Counseling 5560, 5550, 6530 (subtitle), 5650, 6530 (subtitle), 5610, six semester hours of 5980.

Elementary Teaching Concentration (582C)

Degree requirements: A minimum of 63 semester hours of graduate credit above the bachelor's degree including: Education 5010, 5020, 5030, 5160, 5310, 5320, 5330, 5090, 6340; Educational Leadership 5110; Educational Psychology 5460; three semester hours electives from professional education or educational psychology courses; 18 semester hours of graduate credit from supporting academic areas as approved by the department; six semester hours of Education 5980 or 5990.

Reading Concentration (582D)

Special Requirements: possession of full certification for teaching in either elementary or secondary schools and three years of successful full-time teaching experience.

Degree requirements: A minimum of 63 semester hours of graduate credit (including Master's degree credit) of which at least 30 semester hours must be in reading and reading related courses. Twelve semester hours are required from the foundations core. Work in supporting areas and allied methods and theory must total 12 semester hours. Nine semester hours are required for research methodology and thesis credit.

Secondary Teaching Concentration (582F)

Special requirements: Valid certification to teach in the secondary school and three years of successful full-time teaching experience.

Degree requirements: Fifteen semester hours to include Education 5010, 5020, 5030, 5160, and Educational Psychology 4400; nine semester hours selected from Educational Leadership 5110, Educational Technology 4810, 5710, 5750; six semester hours from Educational Psychology 4420 and Counseling 5000, 5540; six semester hours electives from education or supporting area; six semester hours of thesis or field study credit; and 21 semester hours of graduate credit from one area of certification to teach in the secondary school. A minimum of 63 semester hours of graduate credit above the bachelor's degree, including Master's degree credit.

Special Education Concentration (582G)

Degree requirements: A minimum of 63 hours. Thirty-nine semester hours must be in special education and related courses, nine hours in educational psychology, nine hours in research methods and statistics, and six hours in thesis or field study.

Educational Technology Concentration (582H)

Degree requirements: Sixty hours to include a master's degree and the following courses: Eighteen semester hours from Educational Technology 5710, 5760, 5770, 5780, 6000, 6030, 6040, 6450; six semester hours work in support area such as Adult and Continuing Education 5740 and 5760; Education 5980, or 5990, 5000 or 6000 elective graduate courses.

Educational Leadership Concentration (582I)

Special Requirements: Valid certification to teach in either elementary or secondary school and three years successful full-time teaching experience.

Degree requirements: A minimum of 63 semester hours of graduate credit including Master's degree credit as follows:

Elementary Principalship: Education 5010, 5020, 5030, and Educational Psychology 4400 (12 semester hours); Educational Leadership 5100, 5110, 5350, 6110, 6120, 6130, 6140, 6180 (24 semester hours); 21 semester hours from a related certifiable field; and six semester hours of thesis or field study credit.

Secondary Principalship: Education 5010, 5020, 5030, and Educational Psychology 4400 (12 semester hours); Educational Leadership 5100, 5110, 5140, 6110, 6120, 6130, 6140, 6180 (24 semester hours); 21 semester hours from a related certifiable field; and six semester hours of thesis or field study credit.

Supervisor: Education 5010, 5020, 5030, 5160, and Educational Psychology 4400 (15 semester hours); Educational Leadership 5100, 5110, 5150, 6130, 6180 (15 semester hours); six semester hours from Educational Psychology 4420, 5410, 5460 or Educational Technology 5710; 21 semester hours from a related certifiable field; and six semester hours of thesis or field study credit.

COLLEGE OF LIBERAL ARTS

Graduate Degree Programs

Master of Arts Program in: Art (511)

Undergraduate preparation: an undergraduate major or its equivalent as defined by Northwestern State University; evaluation of art work by the art faculty prior to enrollment.

Special requirements: 30 semester hours to include 12 hours of studio courses designated by a graduate committee; six hours of art history research; three hours of graduate seminar and nine hours of approved electives.

Each candidate for the Master of Arts in Art must demonstrate studio competency by presenting a public exhibition of the candidate's work for evaluation by his/her graduate committee prior to graduation. Areas of deficiency could result in additional required study.

(B) 30 hours of course work and two writing and linguistics research reports in lieu of a thesis.

Master of Music (542)

The Masters of Music at Northwestern State University is structured to provide flexibility in order to meet the needs and interests of all music graduate students. The degree's primary focus is music education, but students are allowed a great deal of latitude in choosing the direction they wish to take for their graduate study (music education, conducting, performance, history, etc.). Each student, with the help of a graduate advisor, creates his or her own degree plan that will facilitate educational, professional, and personal goals.

Each candidate must complete a total of 30 semester hours. Twelve of these hours must be taken from studies in the major field. An additional 12 hours must be taken in other studies in music. The remaining six hours are to be taken as electives from either the major field or courses outside the major field. Each student must also complete a comprehensive written exam and one of the following final projects as part of the 30 hour degree: 1) Thesis, 2) Two papers in lieu of Thesis, 3) Graduate Recital and Performance Document.

Admission Requirements

A Bachelor of Music in Music Education is required for admission to the program. Students who do not have an undergraduate degree in Music or Music Education may be admitted to the program with proof of basic competencies in music, to be determined by the Music Graduate Committee.

Each student will take a Diagnostic Exam and participate in Graduate Orientation the week prior to the first day of class.

Special Requirements for Degree

- 1) Participation as needed (at least two semesters) in performing ensembles, without degree credit. Must enroll in MUS 5280.
- 2) MUS 5010 (Practical Review) may be required without degree credit on basis of entrance examination.
- 3) MUS 5900 is required of all students.

Master of Science Program in: Psychology, Clinical¹ (552)

Undergraduate preparation: 18 semester hours in Psychology including at least three semester hours from each of the following areas: statistics, test and measurements, abnormal, and experimental.

Special requirements for a major: Psychology 5100, 5120, 5200, 5250, 5251 (6 hours), 5300, 5320, 5400, 5500 (6 hours), 5750, 5980 (6 hours), 5780, 6000— a minimum of 48 semester hours.

¹ In correcting deficiencies, only credits earned with a minimum grade of B will be accepted.

Master of Arts Program in: English (529)

Undergraduate preparation: an undergraduate major of at least 27 semester hours of English.

Foreign Language: Six semester hours of one foreign language at the sophomore level.

All students must take English 5800. All students awarded teaching assistantships must also take English 5280. These required courses do count as hours toward the degree.

A satisfactory written comprehensive examination.

Every thesis requires six hours of enrollment in English 5980 and an oral defense. All non-thesis degree plans require two research reports in lieu of thesis, to be approved by the student's degree committee and submitted to the Dean of the Graduate Studies and Research.

Degree Options

Every student will select one of the following:

1. Literature offers two options:
Graduate students pursuing the Literature concentration are required to take one seminar in a major literary figure: 5100 (Chaucer), 5150 (Shakespeare), 5200 (Milton), or 4750 (Seminar: Major Authors); credit from a previous undergraduate course does not fulfill this requirement.
(A) 24 hours of course work and a thesis.
(B) 30 hours of course work and two research reports in lieu of a thesis.
2. Folklife/Southern Culture Concentration offers two options:
All graduate students selecting the Folklife/Southern Culture Track are required to take English 4650, 4670. Students should take nine additional hours in courses in the areas of Folklife/Southern Culture. Students may choose to take their remaining courses in the areas of literature (particularly American literature), folklore, linguistics, and rhetoric and composition.
(A) 24 hours of course work and a folklore thesis.
(B) 30 hours of course work and two folklore research reports in lieu of thesis.
3. Writing and Linguistics offers two options:
Required courses include English 5280 and at least 12 hours of linguistics and/or rhetoric.
(A) 24 hours of course work and a writing and linguistics thesis.

Available Concentrations:

Substance Abuse (552B): (12 hours required and 3 semester hours of field experience in Mental Health Agency optional); HED 4600; SOC 4500; PSYC 4700; SOWK 4800; PSYC 4600 (optional).

Prevention Specialist (552C): (12 semester hours required and 3 semester hours of field experience in Mental Health Agency optional); HED 3000; MGT 1020, 3220; PSYC 4700; PSYC 4600 (optional).

Special Requirements for Concentrations:

1. Must be receiving a degree in Clinical Psychology.
2. Must have a grade point average of at least 3.0.
3. Must be taking the required concentration courses in addition to the 48 semester hours required for the Clinical Psychology degree.

COLLEGE OF NURSING

Graduate Degree Programs

Master of Science in Nursing (546)

Graduate Studies and Research in Nursing offers a curriculum leading to the Master of Science in Nursing degree. Learning opportunities are provided for baccalaureate nursing graduates to extend their knowledge and skills in clinical nursing and to develop a functional role in clinical nurse specialist, nursing education, nursing administration, or nurse practitioner in health care delivery systems. The clinical concentrations of study include: Acute Care Nurse Practitioner, Adult Nursing, Critical Care Nursing of the Adult, Maternal-Child and Family Nursing, Mental Health/Psychiatric Nursing, Family Nurse Practitioner, Neonatal Nurse Practitioner, Pediatric Nurse Practitioner, Women's Health Nurse Practitioner. Graduate education in nursing builds upon the base of baccalaureate education in nursing and upon experiential professional knowledge, attitudes, and skills, and is concerned with the educational preparation of nurses in advanced roles who can make significant contributions to the improvement of health care and to the advancement of nursing knowledge and practice.

The Master of Science in Nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE). Advanced Education Nursing Traineeships are usually available as well as research/teaching graduate nursing assistantships. Information can be obtained from the College of Nursing.

Program Requirements

Undergraduate preparation for the major: the Bachelor of Science in Nursing from a nationally accredited program of nursing. Prerequisites for admission: an undergraduate course in basic statistics and physical assessment and evidence of Louisiana Registered Nurse licensure.

Graduate preparation: Completion of the Master of Science in Nursing requires a minimum of 39-42 semester credits. A thesis or research problem and satisfactory ratings on a comprehensive examination are included in the requirements. Full or part-time study is available.

- A. Core (12 hours): Nursing 5010, 5100, 5120 and 5280 or Psychology 5750 for Mental Health/Psychiatric Nursing concentration.
- B. Area of Clinical Concentration (six – nine hours):
 - 1. Adult Nursing (Nursing 5040, 5050).
 - 2. Critical Care Nursing of the Adult (Nursing 5150, 5160).
 - 3. Family Nurse Practitioner (Nursing 5770, 5780, 5790).
 - 4. Maternal Child and Family Nursing (Nursing 5310, 5320).
 - 5. Mental Health-Psychiatric Nursing (Nursing 5500, 5510).
 - 6. Pediatric Nurse Practitioner (Nursing 5850, 5860, 5870).
 - 7. Women's Health Nurse Practitioner (Nursing 5330, 5340, 5350).
 - 8. Acute Care Nurse Practitioner (Nursing 5410, 5420, 5430).
 - 9. Neonatal Nurse Practitioner (Nursing 5650, 5660, 5670).

- C. Functional Role Concentrations: (9-18 semester hours)
 - 1. Administration (Nursing 5110, 5140, 5210).
 - 2. Clinical Nurse Specialist (Nursing 5700, 5710, 5400, 5170, 5190).
 - 3. Education (Nursing 5060, 5070, 5090).
 - 4. Nurse Practitioner (Nursing 5260, 5270, 5700, 5710, 5810, 5820, 5830, 5840, and one of the following: 5360 or 5440 or 5800, or 5880). Exception: For the Neonatal Nursing Practitioner (Nursing 5260, 5270, 5630, 5640, 5810, 5820, 5830, 5840, and 5680).
- D. Support Courses (0-six hours)
To be selected from courses which support the student's clinical and/or functional role concentrations.
- E. Research Area (three-six hours)
 - 1. Thesis (Nursing 5980).
 - Research Problems (Nursing 5950).
 - Research Seminar (Nursing 5995).

Teledistance Learning Project

The Master of Science in Nursing program is also offered at selected locations through the Teledistance Learning Program. This program allows the student to complete some courses in their own community. Limited courses may be offered via Internet.

COLLEGE OF SCIENCE AND TECHNOLOGY

Graduate Degree Programs

Master of Education with a Concentration in Early Childhood Education

(See College of Education, Graduate Programs)

Master of Science program in: Health and Human Performance (536)

Undergraduate preparation: A major or minor in Health and Human Performance as defined by Northwestern State University of Louisiana for 505S only.

Degree Requirements: Minimum of 33 semester hours to include (505S):

- A. Foundations: Education 5010, 5020, 5030.
- B. Concentration: Human Performance 4360, 5250, 5430, 5470, or 5660.
- C. Support Area: Health Education 4880, 5100, 5200.
- D. Application: 3 semester hours in Education 5950 or 5980.

Available Concentrations:

Sports Administration (536A)

- A. Foundations: (Nine semester hours) Education 5010; Educational Psychology 4400¹; and Computer 5010 or Business Administration 4800 or Educational Technology 5770.
- B. Concentration: 12-24 semester hours including Human Performance 5120, 5130, 5140, 5160, 5190, 5220.
- C. Support Area: 0-9 semester hours.
- D. Application: (Six semester hours) Human Performance 5690 (3 semester hours, research project), and 5990 (3 semester hours, Internship).

Health Promotion (536B)

- A. Foundations: (Nine semester hours) Education 5010; Educational Psychology 4400¹; and Computer 5010 or Business Administration 4800 or Education Technology 5770.
- B. Concentration: 12-24 semester hours including Health Education 5100, 5200, 5300, 5400²; Human Performance 5470; elective approved by committee.
- C. Support Area: 0-9 semester hours.
- D. Application: Health Education 5990 (0-6 hours, Internship); and Health Education 5370 (3 semester hours, research project).

Physical Education (536C)

- A. Foundations: (Nine semester hours) Education 5010, Educational Psychology 4400¹, and Business Administration 4800 or Education Technology elective³.
- B. Concentration: (12 semester hours) Human Performance 4360, 5160, 5350 and 5430.
- C. Support Area: 9 semester hours⁴ chosen from Human Performance 5130, 5140, 5450, 5470, or 5150.
- D. Application: Human Performance 5690 (3 semester hours, research project), or Human Performance 5980 (6 hours, thesis).

¹ Educational Psychology 4400 is a prerequisite for Education 5010 and both of these courses must be completed or taken simultaneously with the Human Performance or Health Education graduate courses.

² Must successfully complete Health Education 5300 prior to enrolling.

³ Education Technology elective. Choose from ETEC 4810, 4820, 5710, 5770.

⁴ Must have graduate advisor's approval.

⁵ Elective hours require the approval of graduate advisor and graduate committee members.

COURSES OF INSTRUCTION

The following is a list of all courses of instruction offered by the various departments at NSU at the time of this catalog's publication. Every effort is made to be as accurate and complete as possible. Courses are listed alphabetically by subject.

Courses numbered 5000 or above are open to graduate students only.

The first figure in parentheses following each course title indicates the credit hour value of the course; the second figure indicates the number of 50-minute lecture periods the class meets per week in a regular semester; the third indicates the laboratory hours per week.

LECTURE AND LABORATORY COURSES

Each lecture course and related laboratory course is a combination taught as a unit; the two courses must be taken concurrently. If either course in such a lecture/laboratory combination is failed, it may be repeated without repeating the other. No student may use as part of his or her degree requirement a lecture course without the corresponding laboratory course (if one is available for that course) or a laboratory course without the corresponding lecture course, unless otherwise stated in the course description.

ACADEMIC SKILLS (ACSK)

For Undergraduates Only

- 1010. STUDY SKILLS IMPROVEMENT.** (1-1-0). Study skills and test-taking techniques necessary for college success. (May be repeated once for credit).

Subtitles:

01-Study skills

02-Critical thinking and problem solving.

ACCOUNTING (ACCT)

For Undergraduates Only

- 2000. FINANCIAL ACCOUNTING.** (3-3-0). Introduction to financial accounting for business entities. Analysis of business transactions; recording and reporting principles; income measurement and asset valuation for financial reporting. Prerequisite: Mathematics 1020 and English 1010.
- 2010. MANAGERIAL ACCOUNTING.** (3-3-0). Cost accounting principles and systems, planning, budgeting, and control systems; analytical uses of accounting information for decision making. Not available as an elective for accounting majors. Prerequisite: 2000.
- 2020. PRINCIPLES OF PERSONAL INCOME TAX.** (3-3-0). A procedure oriented course designed to enable an individual to determine their tax liability. Does not meet requirements for the Bachelor of Science degree in Accounting
- 3050. GOVERNMENTAL ACCOUNTING.** (3-3-0). Accounting theory and practice applied to governmental units, state operated schools and colleges; classification and use of funds; fiscal procedures; budgetary control; financial statements; reports. Prerequisite: 2010.
- 3060. INCOME TAXES.** (3-3-0). Federal income taxation: emphasis is on accounting and taxation concepts as they relate to individuals. This course provides the foundation for further study, either through research or formal study. Prerequisite 2000 and 2010.
- 3080. COST ACCOUNTING.** (3-3-0). Cost control of industries; job order and process cost systems. Prerequisite: 2000 and 2010.
- 3100. NATURAL RESOURCES ACCOUNTING AND TAXATION.** (3-3-0). Terminology; lease agreements; production activities; revenue, operating cost, and reporting problems; natural resources rights and conveyances of natural resources properties, and sharing arrangements. Prerequisite: 3060.
- 3180. INTERMEDIATE ACCOUNTING I.** (3-3-0). In-depth study of financial accounting theory and problems, with emphasis on asset valuation on the balance sheet. Prerequisite: 2000 and 2010.
- 3190. INTERMEDIATE ACCOUNTING II.** (3-3-0). A continuation of 3180 with special emphasis on liabilities, stockholders equity, and introduction to the income statement. Prerequisite: 3180.
- 3200. INTERMEDIATE ACCOUNTING III.** (3-3-0). An intensive study of the theory and methods of accounting and reporting for such topics as pensions, leases, cash flows, analysis of errors and changes, full disclosure, and ethical considerations. Prerequisite: 3180.
- 4020. ADVANCED ACCOUNTING.** (3-3-0). Problems related to partnerships, branches, consolidations, foreign exchange, estates and trust, consignments, installment sales and other topics. Prerequisite: 3190 or 3200.
- 4080. AUDITING.** (3-3-0). Problems encountered by practicing public accountant; types of audits; ethics of profession; preparation of auditor's working papers and reports. Prerequisite: 3190 or 3200.
- 4120. FRAUD EXAMINATION.** (3-3-0). A rigorous coverage of the major methods employees use to commit occupational fraud. The course focuses on why occupational fraud is committed, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: 3190 or 3200.
- 4130. ADVANCED COST ACCOUNTING.** (3-3-0). Standard cost; setting standards; analysis of variances. Prerequisite: 3080.
- 4140. CORPORATION INCOME TAXES.** (3-3-0). Federal tax principles with emphasis on the corporation, estates, trust, and gift laws. Prerequisite: 3060.
- 4150. ACCOUNTING THEORY.** (3-3-0). Nature and theory of accounting; concepts and principles underlying financial statements and their presentation. Prerequisite: 3190 or 3200.
- 4200. STATEMENT ANALYSIS.** (3-3-0). Comparative analysis of financial statements; information processing and reporting for the purpose of understanding accounting information. Emphasizes the concepts associated with compilations and review services performed in accordance with generally accepted accounting principles. Prerequisite: 3180 or 3190.
- 4260. ACCOUNTING SYSTEMS.** (3-3-0). Design and implementation of accounting systems; utilization of electronic data processing. Prerequisite: 3080 and 3180.

ADDICTION STUDIES (AS)

For Undergraduates Only

- 1010. INTRODUCTION TO ADDICTION DISORDERS.** (3-3-0). Overview of the causes and consequences of addiction as they relate to the individual, family, community, and society are discussed. Response alternatives regarding intervention, treatment, education, and prevention are reviewed. Competencies and requirements for licensure/certification in Louisiana and Knowledge Skills and Attitudes of Professional Practice as described in Technical Assistance Publication Series (TAP) 21 are explained. Addiction issues related to diverse populations are presented. Prerequisite: PSYC 1010.
- 2050. FAMILY DYNAMICS.** (3-3-0). An introduction to the family as a dynamic system focusing on the effects of addiction pertaining to family roles, rules, and behavior patterns. Discuss the impact of mood altering substances of the family and therapeutic alternatives as they relate to the family. Prerequisite: 1010.
- 2430. SCREENING AND ASSESSMENT.** (3-3-0). Examine the purpose of screening and assessment as well as screening and assessment processes, methods, and instruments. The importance of screening and assessment as the first stage of effective substance abuse treatment will be explored. Prerequisite: 1010.
- 2450. CASE MANAGEMENT.** (3-3-0). This course will provide an overview of the process involved in case management and the skills needed to effectively design and implement treatment plans with individuals who present with substance and behavioral addictions. Prerequisite: 1010.
- 3010. ADDICTION COUNSELING SKILLS.** (3-3-0). A survey of the applications of psychological concepts and principles to counseling methods, competencies in Knowledge, Skills and Attitudes for the therapeutic treatment of psychological problems including addiction-related disorders. Emphasis on behavioral, cognitive, client-center, motivational interviewing, and psychoanalytic techniques of therapy. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.
- 3020. DYNAMICS OF GROUP COUNSELING.** (3-3-0). An introduction to the patterns and dynamics of group interactions across the life span. Focus includes structure, types, stages, development, leadership, and therapeutic factors of group counseling. Effective group facilitation skills and techniques used to address special population issues and needs are covered.
- 4040. SPECIAL POPULATIONS.** (3-3-0). Examines ethnic/cultural factors that may affect a person's attitudes toward alcohol and other drugs, pattern of substance use, reasons for seeking treatment, and responsiveness to various interventions. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.
- 4450. CO-OCCURRING DISORDERS.** (3-3-0). The treatment of co-existing chemical dependency and psychiatric disorders. Provides a framework for assessment and treatment and describes a range of effective counseling and motivational strategies. Prerequisite: 12 credit hours in psychology (including 4450) and/or Addiction Studies or consent of instructor.
- 4500. PHARMACOLOGY OF ADDICTION.** (3-3-0). Psychological, physiological, and sociological effects of mood altering substances and behaviors and their implications for the addiction process are discussed. Emphasis is placed on pharmacological effects of tolerance, cross addiction, dependency/withdrawal, and drug interaction. Prerequisite: PSYC 3010 and 9 hours in Psychology or Addiction Studies.

- 4510. ETHICS FOR ADDICTION PROFESSIONALS.** (3-3-0). Learning about appropriate behavior and ethical/moral issues to be anticipated in all aspects of practice as a substance abuse counselor, including counseling, assessment, research and teaching. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.

AGRICULTURE (AGRI)

For Undergraduates Only

- 1040. INTRODUCTORY ANIMAL SCIENCE.** (3-3-0). Modern animal agriculture; problems of breeding, feeding, management, and marketing.
- 1050. INTRODUCTORY PLANT SCIENCE.** (3-3-0). Morphological, physiological, and reproductive features of higher plants; important agriculture plants of the U.S. and the world.
- 3030. GENETICS.** (3-3-0). Principles of genetics and their relationship to plant and animal breeding.

ALLIED HEALTH (ALHE)

For Undergraduates Only

- 1020. MEDICAL TERMINOLOGY.** (2-2-0). Breaking down and defining common medical terms used in effective communication. (Same as Veterinary Technology 1020).

ANIMAL SCIENCE (ASCI)

For Undergraduates Only

- 2120. FUNDAMENTALS OF LIVESTOCK JUDGING.** (1-1-0). Origin and characteristics of the leading breeds of beef cattle, sheep, swine, and horses; breed types; comparative judging of representative animals. Prerequisite: registration in or credit for 2121.
- 2121. FUNDAMENTALS OF LIVESTOCK JUDGING LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 2120.
- 2950. SPECIAL PROBLEMS IN ANIMAL SCIENCE.** (1 to 3-0-0). Integrated lecture demonstration and laboratory. Students may enroll in different areas of concentration for a maximum of three semester hours of credit to be applied toward a degree. Prerequisite: approval of the instructor. Area of concentration is identified as follows:
01-artificial breeding, reproduction
02-genetics
03-health
04-judging
05-laboratory techniques
06-marketing, management
07-production
- 3040. DISEASES OF FARM ANIMALS.** (3-3-0). Causative agents, prevention, diagnosis and treatment. Prerequisite: Agriculture 1040; Veterinary Technology 2090-2091, or consent of instructor.
- 4200. PRINCIPLES OF AQUACULTURE.** (3-3-0). Principles of aquaculture; water properties and water quality, culture species, emerging culture species, extensive aquaculture, intensive aquaculture, sustainable aquaculture, handling, nutrition, and reproduction of cultured species, aquaculture as a business. Prerequisites: registration in or credit for ASCI 4201, ZOOL 4180 or 4170.

- 4201. PRINCIPLES OF AQUACULTURE LABORATORY.** (1-0-3). Spawning, stocking, feeding and harvesting of aquatic species in ponds and tanks. Instruction in and demonstration of; recirculating aquaculture systems (intensive culture), pond-based aquaculture (extensive culture), and alternative culture methods (partitioned aquaculture system, in-pond raceway). Prerequisites: registration in or credit for ASCI 4200; ZOOL 4181 or ZOOL 4171.

- 4950. SPECIAL PROBLEMS IN ANIMAL SCIENCE.** (1 to 4-1 to 4-0). Library, field and laboratory problems. Written report and/or departmental seminar presentation required. Students may enroll in different areas of concentration for a maximum of 9 semester hours of credit to be applied toward a degree. Area of concentration is identified as follows:
01-animal care and health
02-judging techniques
03-livestock processing
04-meat operations
05-nutrition and feeding
06-production methods
07-reproduction
08-selection and evaluation.
Prerequisite: Senior standing or graduate student with nine hours of agricultural sciences and consent of instructor.

For Undergraduates and Graduates

- 3060. PRINCIPLES OF ANIMAL NUTRITION.** (3-3-0). Digestion, absorption, utilization, chemical composition values of nutrients. Prerequisite: four hours of general chemistry and three to four hours of organic chemistry.
- 4150. ANIMAL BREEDING.** (3-3-0). Basic genetic principles in livestock breeding and selection; use of heritability estimates, inbreeding and crossbreeding. Prerequisite: Agriculture 1040; three hours of genetics; senior standing or consent of instructor.

ANTHROPOLOGY (ANTH)

For Undergraduates Only

- 1510. THE WAYS OF MANKIND: AN ANTHROPOLOGICAL PERSPECTIVE.** (3-3-0). Nature and mechanism of culture. How cultures are organized and work on a worldwide basis. Cultural systems of communication, kinship, technology, religion and magic.
- 2010. ORIGIN OF CULTURES: AN INTRODUCTION TO HUMAN PREHISTORY.** (3-3-0). An introduction to the origin and development of the hominids and of culture.
- 2020. GENERAL ANTHROPOLOGY.** (3-3-0). An introduction to basic cultural anthropology: on language and culture, social structures, and applied anthropology.
- 3050. BIOLOGICAL ANTHROPOLOGY.** (3-3-0). Survey of human evolution and biological variation, including basic osteology and forensic aspects of anthropology. Prerequisites: 2010 or Biology 1010, 1011 and 1020, 1021.
- 4200. FIELD TECHNIQUES IN UNDERWATER ARCHAEOLOGY.** (3-3-0). An overview of methods used in underwater archaeology, including: archaeological survey and remote sensing, underwater site recording and excavation, preliminary artifact conservation, and laboratory analysis. Prerequisites: 3020, or consent of instructor, and open water diving certification.

For Undergraduates and Graduates

- 3020. PRINCIPLES OF ARCHAEOLOGY.** (3-3-0). Concepts and methods; archaeology in the social sciences; problems in North American prehistory. Prerequisite: 2010 or consent of instructor.

- 3030. THE NORTH AMERICAN INDIAN.** (3-3-0). Ethnology of the Indian tribes of the U.S. and Canada; major culture areas at the time of European contact; contemporary social and economic conditions. Prerequisite: junior standing.

- 3040. INDIANS OF THE SOUTHEASTERN UNITED STATES.** (3-3-0). Ethnology of major Indian tribes; Indians of Louisiana and their neighbors. Prerequisite: junior standing.

- 3060. NORTH AMERICAN PREHISTORY.** (3-3-0). Survey of North American Prehistory focusing on prehistoric cultural diversity, social and technological developments, and environmental adaptation in the major culture areas of the continent. Prerequisite: 2010, 2020, or permission of instructor.

- 3110. PRINCIPLES OF ETHNOLOGY.** (3-3-0). Concepts and methods of studying contemporary folk cultures; ethnological approaches to types of cultural expression such as mythology and folklore, arts and crafts, kinship systems, architecture, music. Prerequisite: 2020 or consent of instructor.

- 4060. SPECIAL PROBLEMS.** (3-3-0). Prerequisite: minor in anthropology, senior standing, consent of instructor.

- 4080. ANTHROPOLOGICAL THEORY.** (3-3-0). Development of ethnological thought in its historical context. Prerequisite: senior standing and 12 semester hours in anthropology.

- 4100. FIELD PROBLEMS IN ARCHAEOLOGY.** (6-1-10). Techniques and materials of archaeological excavation; field surveying and recording, care and interpretation of material; field work in Louisiana. Prerequisite: 2010, 3020, and junior standing.

- 4110. HISTORIC SITE ARCHAEOLOGY AND DEVELOPMENT.** (6-1-10). Techniques and skills using archaeological methods on documented sites: site preservation and development, active excavations, restoration and other field work (archival modeling) to be expected. Prerequisite: 2010, 3020, or permission of instructor.

- 4120. CULTURAL RESOURCES MANAGEMENT.** (3-3-0). The study of the development of cultural and historical resources, with on resource evaluation, reporting, and development. Legislative and legal guidelines now govern such activities and this course will equip students with such applied information. Prerequisite: six hours of anthropology above the 2000 level or permission of instructor.

- 4130. MUSEUM AND HISTORIC SITE DEVELOPMENT.** (3-3-0). Designing and administering small museums. Theory, design, and funding of public museums and developmental programs. Prerequisite: 3020 or any upper-level history class with permission of instructor.

- 4140. HISTORICAL ARCHAEOLOGY: SURVEY AND METHODS.** (3-3-0). An overview of the development of the archaeology of historic sites, its theory and method on North America and the Caribbean. Prerequisite: 2010, 3020, History 2010 and/or 2020, or permission of instructor.

- 4150. HISTORY OF ARCHAEOLOGICAL THOUGHT.** (3-3-0). An introduction to the major theoretical trends in archaeological interpretation from a chronological perspective. Prerequisite: 2010, 2020, 3020 or consent of instructor.

- 4160. FUNDAMENTALS OF LINGUISTICS.** (3-3-0). A course in descriptive linguistics including historical, geographical, and structural linguistics. (Same as English 4110).

For Graduates Only

- 5010. SEMINAR IN ANTHROPOLOGY.** (3-3-0). Reading and research on topics.

- 5030. HERITAGE RESOURCE ADMINISTRATION.** (3-3-0). Basic administrative methods as they apply to heritage resource management on program planning, budgeting and implementation. Prerequisite: 4120 or permission of instructor.
- 5720. HISTORY, THEORY, AND PRACTICE OF PUBLIC FOLKLORE.** (3-3-0). Examines applied folklore projects in national, state, and regional contexts while encouraging students to develop expertise to specific areas of public folklore. Prerequisite: 3110, or English 4670. (Same as English 5720).

ART (ART)

For Undergraduates Only

- 1010. DESIGN I.** (3-1-5). Foundation for all arts through theory and application of two-dimensional creative expression; media and materials, demonstrations, discussions, lectures. Open to all students.
- 1020. DESIGN II.** (3-1-5). Individual expression through three-dimensional techniques (assemblage, modeling, elementary casting, carving); experimentation with materials to solve three-dimensional problems (wood, wire, plastic, plaster clay, light metal). Prerequisite: 1010 or consent of instructor.
- 1060. DRAWING I.** (3-1-5). Understanding visual organization and structure expression by delineation and modeling; drawing media.
- 1070. DRAWING II.** (3-1-5). Continuation of 1060.
- 1110. GRAPHIC COMMUNICATION I.** (3-1-5). Basic advertising tools and techniques involving design principles, page layout and typography.
- 1120. GRAPHIC COMMUNICATION II.** (3-1-5). Typography, styles, and measurements; letter forms; digital imaging, and an introduction to various layout and graphic programs. Prerequisite: 1110.
- 1220. ART HISTORY I.** (3-3-0). Prehistoric through medieval art.
- 1230. ART HISTORY II.** (3-3-0). Renaissance through contemporary trends.
- 2000. CERAMICS I.** (3-1-5). Elementary ceramic design; hand-building and wheel-throwing of pottery; decoration, glazing, and firing. Prerequisite: 1010, 1020, or consent of instructor.
- 2010. PAINTING I.** (3-1-5). Problems of design and representation; development of pictorial composition through techniques and media for visual expression. Prerequisite: 1010, 1060 or consent of instructor.
- 2020. DRAWING III.** (3-1-5). Individual creative expression in still-life and landscape studies. Prerequisite: 1070.
- 2040. ART EDUCATION I.** (2 or 3-1-5). Laboratory experience with media and techniques for elementary grades; educational implications and associated problems.
- 2050. PAINTING II.** (3-1-5). Watercolor painting, transparent watercolor techniques. Prerequisite: 1010 or consent of instructor.
- 2060. CERAMICS II.** (3-1-5). Techniques of mold making, casting, ceramic sculpture; clays and glazes, their working and firing characteristics; kiln operation. Prerequisite: 2000.
- 2070. CRAFTS I.** (3-1-5). Crafts, beginning level. Prerequisite: Consent of instructor.
- 2090. PRINTMAKING I.** (3-1-5). Basic printmaking techniques; woodcut, collagraph, silkscreen, etching, engraving. Prerequisite: 1010 or consent of instructor.
- 2100. GRAPHIC COMMUNICATION III.** (3-1-5). Experience with various computer applications in the production of typography, graphic layouts and image manipulation. Prerequisite: 1120.
- 2110. GRAPHIC COMMUNICATION IV.** (3-1-4). Continuation of 2100.
- 2240. HISTORY OF GRAPHIC DESIGN AND PHOTOGRAPHY.** (3-3-0). This course is a survey of graphic design from its early origins to contemporary practices including the instrumental roles of photography and technology in the development and integration of mechanical reproduction in design. Prerequisites: 1220, 1230, and familiarity with multimedia. Permission of instructor in exceptional cases only.
- 3000. CERAMICS III.** (3-0-6). Continuation of 2060. Prerequisite: 2060.
- 3010. PAINTING III.** (3-1-5). Advanced problems in pictorial organization in oils, watercolor, lacquers; media and methods for stimulating individual expression. Prerequisite: 2010.
- 3020. DRAWING IV.** (3-1-5). Varied media with advanced problems and experimentation with drawing materials. Prerequisite: 2020.
- 3040. ART EDUCATION II.** (3-1-4). Children's art and its relationship to their healthy mental, emotional and creative growth; media and methods of stimulation at various stages of development; problems of evaluation.
- 3100. GRAPHIC COMMUNICATION V.** (3-1-5). Refined production and assembly of work for presentation in a professional portfolio. Prerequisite: 2110 or consent of instructor.
- 3110. SCULPTURE I.** (3-1-5). Theory and techniques of sculpture; plaster modeling, bronze and aluminum casting, welded forms, wood carving and constructions. Prerequisite: 1020 or consent of instructor.
- 3120. SCULPTURE II.** (3-1-5). Continuation of 3110.
- 3140. ADVANCED CRAFTS: FABRICATION FOR ARTS-METAL.** (3-1-5). Lecture, discussion, demonstration, and hands-on practice of metal fabrication techniques as they apply to contemporary Visual Arts. Prerequisite: 1010, 1020, or consent of instructor.
- 3210. PAINTING IV.** (3-1-5). Advanced problems in pictorial organization in oils; experimentation with visual forms for individual expression. Prerequisite: 3010 or consent of instructor.
- 3250. PAINTING V.** (3-1-5). Advanced problems in pictorial organization in acrylic media; currently acceptable standards of stylization. Prerequisite: 3210.
- 3260. CERAMICS IV.** (3-1-5). Advanced form, original glaze formulation; kiln operation. Prerequisite: 3000.
- 3500. PRINTMAKING II.** (3-1-5). Emphasizing one medium specializing in color techniques. Prerequisite: 2090.
- 4000. PRINTMAKING III.** (3-1-5). Emphasizing advanced technical processes. Prerequisite: 3500.
- 4240. ART EDUCATION IV.** (3-1-6). Materials and techniques for teaching art in elementary and secondary schools. Open only to art education majors.

¹ Minimum grade of C required of art majors.

For Undergraduates and Graduates

- 4030. ADVANCED STUDIO PROBLEMS.** (3-1-5). Work with a member of the faculty in advanced studio problems. May be repeated for six hours credit toward a graduate degree or nine hours toward an undergraduate degree when topic varies. All Fine and Graphic Arts students must take Art 4030 the last semester of senior year to satisfy senior exhibition requirements. Prerequisite: junior standing, six hours in art.

- 4100. HISTORY OF MODERN ART.** (3-3-0). History of art from the rise of Modernism in the nineteenth century through its evolution in Europe and America to present. Theories of art history and seminal writings are explored.
- 4110. PROBLEMS IN CRAFTS I.** (3-1-5). Advanced experience in the design and construction of various craft projects. May be repeated for a total of six hours credit when topic varies. Prerequisite: six hours of art.
- 4120. SCULPTURE III.** (3-1-5). Continuation of 3120.
- 4130. ADVANCED PAINTING I.** (3-1-5). Exploring the creative process and idea development in painting media. Prerequisite: 2010, 3250, or consent of instructor.
- 4140. PAINTING AND DRAWING FOR TEACHERS I.** (3-1-5). Painting and drawing procedures, media, and techniques adaptable to teaching in elementary and secondary grades. Prerequisite: 2040 or 4040 or consent of instructor. Not open to art majors.
- 4180. PHOTOMECHANICAL DESIGN.** (3-1-5). Process photographic and photomechanical techniques. Emphasis on design, technique, and computer applications. Prerequisite: Photography 1050 or consent of instructor.
- 4220. PRINTMAKING IV.** (3-1-5). Advanced print-making, personal experimentation with mixed media appropriate to individual pursuits. Refinement of technical competence and proficiency. Prerequisite: 2090.
- 4400. COMMERCIAL ART.** (3-1-5). Planning and execution of a complete design project such as web-site design, multimedia design, computer graphics, illustration of sequential art. Prerequisite: Art 3100 or consent of instructor.
- 4450. ADVANCED WATERCOLOR.** (3-1-5). Further experimentation with watercolor as a medium. Prerequisite: 2050 and consent of instructor.
- 4460. CERAMICS V.** (3-1-5). Clays, glazes, computation, and measurements. Prerequisite: consent of instructor.
- 4600. ART FOR TEACHERS.** (3-1-5). Studio art problems designed for teachers. Prerequisite: 2040.

¹ If six hours are to be taken during one semester, they must be divided between two areas of study. May be repeated for a maximum of nine semester hours. Only six semester hours may be applied toward graduate degree credit.

For Graduates Only

- 5010. ADVANCED PAINTING II.** (3 to 6-1-5). Contemporary trends; research and laboratory practice in painting problems. Prerequisite: 3010, 3250, or equivalent.
- 5080. PROBLEMS IN DESIGN.** (3 to 6-1-5). Work in design-related subjects. Prerequisite: consent of instructor.
- 5110. PROBLEMS IN CRAFTS II.** (3-1-5). Craft activities selected in consultation with the instructor. May be repeated for a total of nine hours credit when topic varies. For art majors only. Prerequisite: 4110.
- 5130. SCULPTURE IV.** (3 to 6-1-5). Exploration in a specialized direction of personal significance. Prerequisite: 4120 or equivalent.
- 5220. PRINTMAKING V.** (3 to 6-1-5). Exploration in a specialized direction of personal significance. Prerequisite: 4220 or equivalent.
- 5240. PROBLEMS IN ART.** (3-1-5). Advanced studio problems. Students must meet with instructor to approve specific problem in writing prior to registration. May be repeated for nine hours credit toward a degree when topic varies. Prerequisite: graduate art major.
- 5460. RESEARCH IN ART HISTORY.** (3 to 6-6-0). Research in art history. Prerequisite: consent of instructor.

- 5900. SEMINAR.** (3-3-0). Discussion of contemporary trends and developments in art; investigation of studio or theoretical problems.
- 5950. RESEARCH IN ART.** (3 to 6-3-0). Research techniques and their application in visual arts; preparation of prospectus.
- 5980. THESIS.** (3 to 6-3-0).

AVIATION SCIENCE (AVIS)

For Undergraduates Only

Ground Instruction

- 1010. INTRODUCTION TO AVIATION.** (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, scholarship, and employment opportunities.
- 1020. INTRODUCTION TO AVIATION-AEROSPACE.** (3-3-0). History of aviation; the aviation-aerospace industry; aviation-aerospace and society; career field; organizations; space projects and rocketry. May not be used to fulfill requirements for aviation science degree.
- 1050. PRIVATE PILOT GROUND INSTRUCTION.** (3-3-0). Principles of flight; airplane systems and instruments; weight and balance; aircraft performance, federal aviation publications; federal aviation regulations; physiology of flight. Preparation for Federal Aviation Administration written examination.
- 1060. PRIVATE PILOT GROUND INSTRUCTION.** (3-3-0). Meteorology; air traffic control and communications; airman's information manual; flight computer, basic navigation, radio navigation. Preparation for FAA written examination.
- 2050. COMMERCIAL PILOT GROUND INSTRUCTION.** (3-3-0). Advanced principles of flight, aircraft systems, navigation, federal aviation regulations. Prerequisite: 1050 or consent of instructor.
- 2500. AIRCRAFT DISPATCHING.** (3-1-5). Supervised practice and training in aircraft dispatching responsibilities and procedures. Prerequisite: consent of instructor.
- 3000. COMMERCIAL PILOT GROUND INSTRUCTION.** (3-3-0). Continuation of 2050. Preparatory for the FAA commercial pilot written examination. Prerequisite: 2050 or consent of instructor.
- 3040. METEOROLOGY.** (3-3-0). Principles of weather. Weather, moisture, stability, turbulence, clouds, fronts, thunderstorms, air masses, icing. Aviation weather services; weather forecasts, weather charts, weather observation. Supplement weather; high altitude, tropical, arctic.
- 4100. INSTRUMENT GROUND INSTRUCTION.** (3-3-0). Advanced meteorology; federal aviation regulations and air traffic control procedures, enroute navigation and communication; chart reading; flight planning; preparatory for the FAA instrument rating written examination. Prerequisite: 2050 or consent of instructor.
- 4110. FLIGHT INSTRUCTOR GROUND INSTRUCTION.** (3-3-0). Theory of flight; fundamentals of instructing; analysis of maneuvers. Preparatory for the FAA flight instructor written examination. Prerequisite: 4100 or consent of instructor.

- 4120. INSTRUMENT FLIGHT INSTRUCTOR GROUND INSTRUCTION.** (3-3-0). Theory of flight by reference to instruments; analysis of flight maneuvers by reference to instruments; federal aviation regulations. Preparatory for the FAA instrument instructor written examination. Prerequisite: commercial certificate and instrument rating.
- 4130. MULTI-ENGINE GROUND INSTRUCTION.** (3-3-0). Procedures and technical knowledge to qualify for and pass the multi-engine oral phase of the rating. Prerequisite: consent of instructor.
- 4140. AIRLINE EMPLOYMENT PREPARATION GROUND INSTRUCTION.** (3-3-0). Aircraft systems, performance, weight and balance, and check-list procedures for a turboprop airplane; airline operations, FAR's, CRM, interview techniques. Combines classroom lectures and practical application in a turboprop flight training device. Preparatory for an airline's initial training of new-hire pilots. Prerequisite: commercial certificate and instrument rating.
- 4150. MULTI-ENGINE FLIGHT INSTRUCTOR GROUND INSTRUCTION.** (3-3-0). Analysis of multi-engine procedures; fundamentals of instruction; analysis of multi-engine maneuvers. Preparation for multi-engine flight instructor oral examination. Prerequisite: 4110, 4130.
- 4500. AVIATION SCIENCE INTERNSHIP.** (4 to 12-0-30). Controlled work experience in the areas of flight operations/aviation management; designed by host organization and instructor to blend theory and practice. A minimum of 30 hours of employment required for each hour of credit earned. Periodic evaluation, special projects and summary report. Prerequisite: consent of instructor.

Flight Instruction

- 1101. PRIVATE FLYING.** (1-1-2). Instruction and flight training in preparation for the FAA private pilot flight test. May be repeated not more than four times for credit.
- 2101. COMMERCIAL FLYING.** (1-1-2). Instruction and flight training in preparation for FAA commercial pilot flight test. May be repeated not more than four times for credit. Prerequisite: private pilot certificate.
- 2121. COMMERCIAL FLYING.** (1-1-2). Instruction and flight training in preparation for the FAA commercial pilot flight test. May be repeated not more than four times for credit. Prerequisite: 2101.
- 3101. COMMERCIAL FLYING.** (1-1-2). Instruction and flight training in preparation for the FAA commercial pilot flight test. May be repeated not more than four times for credit. Prerequisite: 2121.
- 3501. SPECIAL PROBLEMS IN DUAL FLIGHT INSTRUCTION.** (1-1-2). May be repeated not more than twice for credit. Prerequisite: consent of instructor.
- 3511. SPECIAL PROBLEMS IN SOLO FLIGHT.** (1-1-2). May be repeated not more than twice for credit. Prerequisite: consent of instructor.
- 3701. TRANSITION FROM COMMERCIAL ROTOWING CERTIFICATE TO COMMERCIAL CERTIFICATE WITH AIRPLANE SINGLE ENGINE LAND RATING.** (1-1-2). Instruction and flight training in preparation for the FAA flight test for additional aircraft rating. May be repeated not more than four times for credit. Prerequisite: consent of instructor.
- 3721. TRANSITION FROM COMMERCIAL ROTOWING CERTIFICATE TO COMMERCIAL CERTIFICATE WITH AIRPLANE SINGLE ENGINE LAND RATING.** (1-1-2). Instruction and flight training in preparation for the FAA flight test for additional aircraft rating. May be repeated not more than four times for credit. Prerequisite: 3701.
- 3751. TRANSITION FROM COMMERCIAL PILOT CERTIFICATE WITH MULTI-ENGINE CLASS RATING TO COMMERCIAL CERTIFICATE WITH AIRPLANE SINGLE ENGINE RATING.** (1-1-2). Instruction and flight training in preparation for the FAA flight test for additional aircraft rating. May be repeated not more than four times for credit. Prerequisite: consent of instructor.
- 4201. COMMERCIAL/INSTRUMENT FLYING.** (1-1-2). Instruction and flight training in preparation for the FAA commercial/instrument flight test. May be repeated not more than four times for credit. Prerequisite: 3101 or consent of instructor.
- 4221. FLIGHT INSTRUCTOR FLYING.** (1-1-2). Instruction and flight training in preparation for the FAA flight instructor certification flight test. May be repeated not more than twice for credit. Prerequisite: commercial certificate and instrument rating.
- 4231. INSTRUMENT FLIGHT INSTRUCTOR FLYING.** (1-1-2). Instruction and flight training in preparation for the FAA instrument flight instructor flight test. May be repeated not more than twice for credit. Prerequisite: 4201 or consent of instructor.
- 4241. MULTI-ENGINE FLIGHT INSTRUCTION.** (1-1-2). Dual flight instruction in preparation for the FAA multi-engine flight test. May be repeated not more than twice for credit. Prerequisite: consent of instructor.
- 4251. AIRLINE TRANSPORT PILOT FLIGHT INSTRUCTION.** (2-1-3). Thirty-five hours of dual flight instruction. Provides skill to qualify for airline transport pilot certificate. Prerequisite: consent of instructor.
- 4261. MULTI-ENGINE SIMULATION INSTRUCTION.** (1-1-2). Simulation instruction in preparation for a FAA multi-engine test. May be repeated not more than twice for credit. Prerequisite: consent of instructor.
- 4271. MULTI-ENGINE FLIGHT INSTRUCTOR FLYING.** (1-1-2). Instruction and flight training in preparation for the FAA multi-engine flight instructor certification flight test. May be repeated not more than twice for credit. Prerequisite: consent of instructor.

AVIATION TECHNOLOGY (AVTC)

For Undergraduates Only

- 1010. THEORY OF AIR TRAFFIC CONTROL I.** (3-3-0). FAA options, terminal/enroute traffic control and flight service stations.
- 1020. THEORY OF AIR TRAFFIC CONTROL II.** (3-3-0). Continuation of 1010. Terminal/enroute air traffic control, communication procedures, publications and related data used in air traffic control. Federal aviation regulations. Prerequisite: 1010 or consent of department head.
- 1500. INTRODUCTION TO AIRFRAME AND POWERPLANT TECHNOLOGY.** (3-3-0). Aviation maintenance, history of aviation, the aviation industry, government involvement in aviation, aerodynamics, FAA regulations, documentations, alterations. Airframe and powerplant mechanics, licensing requirements. Career opportunities in the field of airframe and powerplant mechanics.

- 2000. APPLIED AIR TRAFFIC CONTROL PROBLEMS I.** (4-2-6). On-the-job training in an operational tower. Area familiarization, microphone technique; transition from air traffic control theory to air traffic control practice.
- 2500. ELECTRICAL SYSTEMS AND COMPONENTS.** (3-2-3). Practical application of electrical components and related federal aviation regulations. Lighting circuits, trouble-shooting systems, power factor rectifiers and transistors, inverters.
- 2510. AIRCRAFT STRUCTURE.** (3-2-3). Woodworking tools, repair of wood aircraft structures, finishing wood aircraft, dope and recovering materials, painting, numbering aircraft stress, aircraft structural components, fiberglass, structure. Aircraft hardware, fasteners, rivets, proper use of tools, practical application of topics.
- 2520. AIRCRAFT INSTRUMENTS.** (3-2-3). Altimeters, vertical speed indicators, airspeed indicators, direction indicating systems, gyro principle, turn and slip indicators, directional gyros, gyro horizons, remote indicating systems. Installation, alteration, and repair of the above flight instruments with practical application of topics.
- 2530. AIRCRAFT WELDING.** (3-2-3). Practical application of topics; acetylene, oxygen, cylinders, regulators, torches, tips, flame, heat-treating, soldering stainless steel, brazing, gas welding, gas cutting, splicing and repair of aircraft structure.
- 3000. APPLIED AIR TRAFFIC CONTROL PROBLEMS II.** (4-2-6). Continuation of 2000. Prerequisite: 2000 or consent of department head.
- 3010. AIRCRAFT POWERPLANT MECHANICS.** (4-4-0). General principles of aircraft engines; reciprocating engines, turbine engines, engine instruments, lubrication systems, fuel metering, induction systems, cooling systems, exhaust systems, and propellers. Prerequisite: consent of department head.
- 3020. AIRCRAFT AIRFRAME MECHANICS.** (4-4-0). General principles of aircraft airframe operation. Wood structures, aircraft covering, welding, rigging. Landing gear, hydraulic, communication, fuel storage, electrical, and fire protection systems. Prerequisite: consent of department head.
- 3100. AIRPORT PLANNING, ADMINISTRATION, AND MANAGEMENT.** (3-3-0). Basic concepts; problems and requirements in planning and constructing an airport; special administration problems unique to airport administration and management. Prerequisite: junior standing.
- 3110. REGULATION OF AIR TRANSPORTATION.** (3-3-0). Manned flight; development and present status of the air transportation industry; federal acts regulating air transportation; local, state, federal, and international laws forming present structure of aviation laws. Prerequisite: junior standing.
- 3500. PROPELLER AND PROPELLER SYSTEMS.** (3-2-3). Aerodynamics, propeller theory, design. Metal propeller inspection and maintenance, controllable propeller principles, inspection maintenance. Synchronizing systems, governing systems, turbo propeller systems. Various specialized manufacturing propellers. Practical application of topics.
- 3510. PROPULSION SYSTEMS I.** (3-2-3). History of aircraft engines, engine theory and internal combustion principles, engine classification, construction and nomenclature, aviation lubricants and lubrication systems, log one word book entries. Practical application of topics.

- 3520. PROPULSION SYSTEMS II.** (3-2-3). Practical application of the following topics: inspect and troubleshoot power source, inspect and comply with airworthiness directives, demonstrate correct engine starting procedure, install and time magneto to engine, operate engine at various power settings. Engine control systems, engine testing and operation. Prerequisite: 3510.
- 3530. CARBURETION AND FUEL SYSTEMS.** (3-2-3). Theory of energy transformation, reciprocating engine fuels, fuel contamination and fuel handling, fuel metering, pressure carburetion principle, carburetor overhaul and service, single and multi-engine fuel systems, fuel quantity measuring system, basic turbine fuel controls, small jet fuel systems.
- 4500. AIRFRAME AND POWERPLANT SEMINAR.** (3-3-0). Designed to prepare qualified students for the FAA written examinations for airframe and powerplant certification. Prerequisite: must have completed a minimum of 18 hours in airframe and powerplant mechanic curriculum.
- 4501. AIRCRAFT INSPECTION.** (3-2-3). Practical application of the following topics: introduction to inspections, regulations concerning inspections, inspection practice and sequence, inspection points lubrication and service, inspection entries and records. Student will perform 100-hour inspection on aircraft of instructor's or FAA inspector's choice.

For Undergraduates and Graduates

- 4000. APPLIED AIR TRAFFIC CONTROL PROBLEMS III.** (4-2-6). Continuation of 3000. Prerequisite: 3000 or consent of department head.
- 4010. AEROSPACE EDUCATION WORKSHOP.** (3-3-0). Workshop to acquaint primary and secondary educators with methods and problems in developing aerospace education curriculum. History of aerospace development, basic aerodynamics; impact of aerospace development upon society. Guest speakers from aerospace industry, field trips to aerospace installations.

BIOLOGY (BIOL)

For Undergraduates Only

- 1010. BIOLOGICAL PRINCIPLES.** (3-3-0). Chemical basis of life, cell structure and specialization, cellular respiration, photosynthesis, patterns of inheritance, nature and action of genes, simplified classification and evolution of plants, and organismic processes. Prerequisite: registration in or credit for 1011. (Students may not receive credit for both Biology 1010 and Science 1020).
- 1011. BIOLOGICAL PRINCIPLES LABORATORY.** (1-0-2). Prerequisite: registration in or credit for 1010.
- 1020. BIOLOGICAL PRINCIPLES.** (3-3-0). Principles of evolution theory and population genetics, development of embryonic organisms, simplified classification and evolution of animals, animal behavior and ecological principles. Prerequisite: registration in or credit for 1021; 1010-1011. (Students may not receive credit for both Biology 1020 and Science 2020).
- 1021. BIOLOGICAL PRINCIPLES LABORATORY.** (1-0-2). Prerequisite: registration in or credit for 1020.
- 2950. BIOLOGY LABORATORY TEACHING PRACTICUM.** (1-0-3). Specifically designed to involve students in the preparation and evaluation of a biology laboratory through direct participation in laboratory activities. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: 1011-1021.

- 3000. HUMAN HEREDITY AND SOCIETY.** (4-3-3). Human genetic structure and inheritance patterns, common inherited disorders, human cytogenetics and immunogenetics, applications of chromosomal and molecular techniques in characterizing human genome, manipulation of human reproductive processes and genomic structures. Laboratory experimentation of leucocyte culturing and karyotyping, bandings of chromosomes, extracting DNA from experimental organisms, and DNA electrophoresis. Prerequisites: 1010, 1020, or Science 1020 and 2020. Not to be used for substituting Biology 3270.
- 3060. BIOMETRY.** (3-3-0). Statistical analysis of biological data. Parametric and nonparametric statistics. Prerequisite: Mathematics 1020.
- 3200. NEOTROPICAL RAINFOREST ECOLOGY.** (1-1-0). A seminar-type course that will introduce the student, through selected readings and discussions, to the ecology of New World tropical rainforests.
- 3201. NEOTROPICAL RAINFOREST ECOLOGY LABORATORY.** (3-0-9). Field applications of the concepts learned in Biology 3200 will take place at a field station in Ecuador, Costa Rica, or another neotropical center. This will be an intensive 15 day experience occurring in late December and early January. Students must pay for airfare and lodging. Co-requisite: 3200.
- 3300. MOLECULAR BIOLOGY.** (3-3-0). Molecular biology is designed to provide students with a fundamental understanding of molecular biology-related concepts and current technologies related to DNA manipulation, gene expression and model systems. Students will be exposed to topics in the following areas: central dogma of biology, model organisms/expression systems, modern molecular biology techniques, gene cloning, gene amplification, DNA/RNA detection and analysis, as well as other current topics in molecular biology chosen by the instructor. Corequisite: 3301. Prerequisite: 12 credit hours of biology to include BIOL 1010-1011, 1020-1021; MBIO 2060-2061.
- 3301. MOLECULAR BIOLOGY LABORATORY.** (1-0-3). Molecular biology lab is designed to provide students with an in-depth practice of fundamental technologies related to DNA manipulation and cloning. Corequisite: 3300.
- 3500. FORENSIC DEATH INVESTIGATION.** (3-3-0). The scientific techniques used in medicolegal investigations, injury and death, firearm injuries, transportation injuries, physical injuries, trauma and disease, asphyxial deaths, infanticide and forensic evidence and records for the court. Prerequisite: BIOL 1020-1021, ZOOL 2070-2071. Corequisite: 3501.
- 3501. FORENSIC DEATH INVESTIGATION LABORATORY.** (1-0-2). The laboratory will address physical evidence associated with human remains including forensic botany and palynology, serology, taphonomy and anthropology. Corequisite: 3500.
- 3900. SPECIAL TOPICS IN BIOLOGY.** (1 to 3-1 to 3-0). In-depth study of various upper-level elective topics in the biological sciences; in particular, those not included explicitly among the catalog listings. Prerequisite: 1010/1011, 1020/1021 or consent of instructor.
- 3901. SPECIAL TOPICS IN BIOLOGY LABORATORY.** (1 to 3-0-1 to 9). In-depth laboratory component of various upper-level elective topics in the biological sciences; in particular, those not included explicitly among the catalog listings. Prerequisite: 1010/1011, 1020/1021 or consent of instructor. Co-requisite: 3900.
- 4020. ADVANCED MOLECULAR BIOLOGY.** (3-3-0). An in-depth analysis of molecular biology-related concepts and current technologies related to gene expression and the elucidation of cellular properties including biochemical control of gene expression, temporal gene expression, cellular trafficking, gene expression and development, post-translational modification of protein, modern molecular biology techniques, gene cloning, gene amplification, DNA/RNA detection and analysis, tissue culture, antibody production, microscopy, as well as other current topics in molecular biology chosen by the instructor. Prerequisite: 15 credit hours of Biology to include: 1010-1011, 1020-1021, 2060, and either 3300 or 3270. Corequisite: 4401.
- 4021. ADVANCED MOLECULAR BIOLOGY LABORATORY.** (1-0-3). Advanced molecular biology lab is designed to provide students with an in-depth practice of current technologies related to gene expression and the elucidation of cellular properties. Corequisite: 4020.
- 4900. UNDERGRADUATE SEMINAR.** (1-0-0). Reports and discussions on current research. May be repeated any number of times, but no more than two hours may be applied toward a B.S. degree.

For Undergraduates and Graduates

- 3270. GENETICS.** (3-3-0). Principles of heredity and their application to plants and animals, including man. Prerequisite: eight hours of biological sciences to include either Biology 1020-1021, or SCPN 1830-1831, or equivalent courses approved by the instructor.
- 4000. MOLECULAR CELL BIOLOGY.** (3-3-0). Cell function in molecular terms. Topic areas are cell organization and subcellular structure, manipulation of macromolecules, molecules in cells, proteins and nucleic acids, cellular function, gene expression, structure replication in prokaryotic and eukaryotic cells. Prerequisite: Biology 3270.
- 4080. ORGANIC EVOLUTION.** (3-3-0). Principles and dynamics of evolution processes. Prerequisite: 1020-1021 and 3270 or consent of instructor.
- 4400. GENERAL ECOLOGY.** (3-3-0). Fundamental ecological principles with reference to ecosystem structure and function and interrelationship among and between living and non-living components of nature. Prerequisite: registration in or credit for 4401, 1020-1021; junior standing or consent of instructor.
- 4401. GENERAL ECOLOGY LABORATORY.** (1-0-3). Sampling and field methods of measurements of abiotic and biotic factors. Prerequisite: registration in or credit for 4400 or consent of instructor.

For Graduates Only

- 5040. BIOLOGY FOR SECONDARY TEACHERS.** (3-3-0). Principles of biology with application to secondary school biology. Current trends and literature in biology. Prerequisite: 12 hours of biology.
- 5070. EXPERIMENTAL BIOLOGY FOR TEACHERS.** (3-1-4). Development of laboratory techniques useful for a modern secondary laboratory in an internship setting. Design and implementation of original experiments. Survey of laboratory experiments and demonstrations.
- 5950. PROBLEMS IN TEACHING BIOLOGY.** (1 to 3-3-0). Special problem course in preparation of innovative teaching materials for Biology lecture and/or laboratory. Students to be prepared to present a formal written and oral presentation.

BOTANY (BOT)

For Undergraduates Only

- 2100. GENERAL BOTANY.** (2-2-0). Structure and functions of plant cells, tissues, and organs; nutrition, metabolism, water relations, growth of plants. Prerequisite: registration in or credit for 2101; Biology 1020-1021 or consent of instructor.
- 2101. GENERAL BOTANY LABORATORY.** (1-0-2). Prerequisite: registration in or credit for 2100.
- 2140. INTRODUCTORY PLANT TAXONOMY.** (1-1-0). Identification and classification of local seed plants and ferns; field trips and collections; keys, manuals and herbaria. Prerequisite: registration in or credit for 2141; Biology 1020-1021.
- 2141. INTRODUCTORY PLANT TAXONOMY LABORATORY.** (2-0-4). Prerequisite: registration in or credit for 2140.
- 4950. BOTANICAL PROBLEMS.** (1 to 4-0-0). Individual research: procedures, results, and conclusions presented in the form of a research paper. Prerequisite: junior standing; consent of department head and proposed research director. Area of concentration is identified as follows:
01-algology
02-disease
03-ecology
04-genetics
05-mycology
06-physiology
07-taxonomy

BUSINESS ADMINISTRATION (BUAD)

For Undergraduates Only

- 1040. FUNDAMENTALS OF BUSINESS ENTERPRISE.** (3-3-0). The American business system; business organization and management; finance; marketing; government regulation of business.
- 2120. BASIC BUSINESS STATISTICS.** (3-3-0). A basic statistical foundation is developed; emphasis is then placed upon practical business applications including hypothesis testing, ANOVA, contingency table analysis, and introductory regression analysis; material is related directly to business applications. Prerequisite: spreadsheet literacy and any of the following: Mathematics 1060, 1090, 1100, 1810, 2010 or SMAT 1820 and 1840, or 2810.
- 2250. LEGAL ESSENTIALS FOR SMALL BUSINESSES.** (3-3-0). Legal aspects of buying and owning a small business in Louisiana, including the bulk sales act, workmen compensation, employer-employee relationships, bankruptcy, and property rights. Considers mainly Louisiana law.
- 3120. INTERMEDIATE BUSINESS STATISTICS.** (3-3-0). Time series, index numbers, analysis of variances, chi square, non-parametric tests applied to business and economic problems. Prerequisite: successful completion of Business Administration 2120 or SSTA 2810 and junior standing.
- 3250. BUSINESS LAW I.** (3-3-0). The study of the legal environment of Business, with an emphasis on the development of law, an overview of the court system, legal concepts underlying business crimes and torts, contracts, employer-employee relationships, commercial paper, and property rights, ethics. Prerequisite: junior standing.

- 3260. BUSINESS LAW II.** (3-3-0). Legal concepts underlying the areas of sales, creditors rights, secured transactions, bankruptcy, business organizations including sole proprietorships. Partnerships, and corporations, agencies, lenders and directors liability, and accountants liability. Prerequisite: junior standing.
- 3270. INTERNATIONAL BUSINESS.** (3-3-0). Pertinent dimensions of the global business environment. Focusing on the international aspects of management, marketing, finance, accounting and economics. Various theories related to global business will be presented and applied in the form of cases.
- 4000. READING AND DISCUSSION.** (1 to 3-3-0). Books on problems and issues of contemporary significance for the business community. Prerequisite: Economics 2010, 2020, and consent of instructor.
- 4160. U.S. AND FOREIGN BUSINESS CENTERS.** (1 to 6-0-0). Study tours of selected centers of business and economic activity in the U.S. and abroad. Prerequisite: consent of instructor.
- 4190. SMALL BUSINESS ENTREPRENEURSHIP.** (3-3-0). Analysis of small business operations. Integration of knowledge and application of theories across functional areas. Prerequisite: senior standing and consent of instructor.

For Undergraduates and Graduates

- 4800. MICROCOMPUTER APPLICATIONS II.** (3-3-0). Advanced microcomputer application software exercises and problems. Current operating systems, networking, and telecommunication techniques. Prerequisite: CIS 1800 or consent of instructor.

BUSINESS EDUCATION (BUED)

For Undergraduates Only

- 4230. HUMAN RELATIONS IN BUSINESS EDUCATION.** (3-3-0). Human relations and its importance in the educational, occupational, economic, and social activities of an individual involved in the instruction and/or supervision of other persons in office occupations or distributive education. (Same as Distributive Education 4230).

For Undergraduates and Graduates

- 4200. CAREER AND VOCATIONAL EDUCATION IN AMERICAN SCHOOLS.** (3-3-0). Principles and philosophies of cooperative vocational education. Relationship of vocational education to general education. Development of cooperative training under the George-Barden, George-Dean Acts, the Vocational Act of 1963, as amended; current career education legislation. Prerequisite: Education 2020, Educational Psychology 3000, and consent of instructor.
- 4220. COOPERATIVE EDUCATION PROGRAM.** (3-3-0). Developing and coordinating a cooperative education program in the secondary school. Prerequisite: Education 2020, Educational Psychology 3000, or consent of instructor.

For Graduates Only

- 5100. BASIC PRINCIPLES IN BUSINESS EDUCATION.** (3-3-0). Problems facing business education; principles underlying a sound program; development and evaluation of aims of business education in terms of the contribution made to the general program of secondary education.
- 5950. RESEARCH PROBLEMS IN DISTRIBUTIVE AND BUSINESS EDUCATION.** (1 to 6-0-0).

- 6210. IMPROVEMENT OF INSTRUCTION IN SECRETARIAL STUDIES.** (3-3-0). New classroom procedures and teaching techniques developed from recent research and experimentation; stages of learning and the type of instruction and instructional materials used in each; problems of individual teachers and individual learners examined and possible solutions worked out.
- 6220. IMPROVEMENT OF INSTRUCTION IN BOOK-KEEPING.** (3-3-0). Problems and techniques related to the skills, objectives, and content of bookkeeping; source of materials and suggested techniques for instruction and testing.
- 6230. IMPROVEMENT OF INSTRUCTION IN GENERAL BUSINESS.** (3-3-0). Problems, skills, objectives, and content of general business; techniques of presentation, testing, and source material.

CHEMISTRY (CHEM)

For Undergraduates Only

- 1010. CHEMISTRY ORIENTATION.** (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, and scholarships.
- 1030. GENERAL CHEMISTRY.** (3-3-0). Atomic and molecular structure; chemical bonding; properties of gases, liquids and solids; chemistry of some non-metals. For students who plan to take 1040 and 2000- or 3000-level chemistry courses. Prerequisite: placement in Mathematics 1020. (May not receive credit for both Chemistry 1030 and Science 1010).
- 1031. GENERAL CHEMISTRY LABORATORY.** (1-0-3). Basic chemistry experiments. Prerequisites: credit in 1030 or equivalent.
- 1040. GENERAL CHEMISTRY.** (3-3-0). Continuation of 1030. Chemical equilibrium, chemistry of metals and some of their compounds; nuclear chemistry. Prerequisite: credit for 1030 and registration in or credit for 1031. (May not receive credit for both Chemistry 1040 and Science 2010).
- 1041. GENERAL CHEMISTRY LABORATORY.** (1-0-3). Identification of common inorganic ions; quantitative inorganic analysis; experiments of chemical equilibria. Prerequisites: credit for 1030-1031 and credit for or registration in 1040.
- 1070. INTRODUCTORY CHEMISTRY.** (3-3-0). Principles of chemistry for students who plan to take 1080 as a terminal chemistry course. Topics include atomic and molecular structure, chemical bonding and properties of gases, liquids and solids. Prerequisite: placement in Mathematics 1020. (May not receive credit for both Chemistry 1070 and Science 1010).
- 1080. INTRODUCTORY BIOCHEMISTRY.** (3-0-0). Chemistry of carbohydrates, lipids and proteins; major metabolic pathways. Prerequisite: registration in or credit for 1091; credit for 1070.
- 1091. INTRODUCTORY CHEMISTRY LABORATORY.** (1-0-2). Experiments in general chemistry. Prerequisite: registration in or credit for 1080. Pass/fail grade.
- 2040. CLINICAL CHEMISTRY.** (3-3-0). Chemistry of proteins, nucleic acids, and enzymes and the metabolism of carbohydrates, lipids, proteins and nucleic acids; blood and urine chemistry. May not be used to meet requirements for a major or minor in chemistry. Prerequisite: registration in or credit for 2041; Chemistry 3010-3011.
- 2041. CLINICAL CHEMISTRY LABORATORY.** (1-0-3). General experiments in physiological chemistry. Prerequisite: registration in or credit for 2040.
- 2110. QUANTITATIVE ANALYSIS.** (3-3-0). Chemical equilibrium; pH and indicators; solutions; oxidation-reduction and the calculations of analytical chemistry; reliability of measurements; theory and applications of gravimetric, volumetric, and other representative analytical procedures. Prerequisite: registration in or credit for 2111; 1040, 1031, 1041.
- 2111. QUANTITATIVE ANALYSIS LABORATORY.** (1-0-3). General experiments. Prerequisite: registration in or credit for 2110.
- 2120. INTRODUCTION TO INSTRUMENTAL ANALYSIS.** (3-3-0). Prerequisite: registration in or credit for 2121; 2110-2111.
- 2121. INTRODUCTION TO INSTRUMENTAL LABORATORY.** (1-0-3). pH, polarographic, spectroscopic and emission spectroscopic measurements and separation techniques such as gas, thin layer and ion exchange chromatography, liquid-liquid extraction, and electro-deposition for chemical analysis. Prerequisite: registration in or credit for 2120.
- 2140. DESCRIPTIVE INORGANIC CHEMISTRY.** (2-2-0). An introduction to basic inorganic chemistry including a systematic study of the periodic table with emphasis on the structures, properties and reactions of inorganic compounds. Prerequisite: 1040, 1031, 1041; registration in or credit for 2141.
- 2141. INORGANIC CHEMISTRY LABORATORY.** (1-0-3). A laboratory course involving the preparation and characterization of compounds of common elements, including salts, coordination complexes and covalent compounds. Prerequisite: registration in or credit for 2140.
- 2200. PRACTICUM FOR CHEMISTRY TEACHING.** (1 to 3-0-0). Supervised experiences in teaching in the chemistry laboratory. Required for secondary education majors with chemistry as a primary or secondary teaching area and recommended for chemistry majors contemplating a teaching career. One hour credit for each laboratory teaching experience. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: consent of department head.
- 3010. ORGANIC CHEMISTRY.** (3-3-0). First half of a one-year course. Preparation, properties, uses, and mode of reaction of representative aliphatic and aromatic compounds; halides, hydrocarbons, stereochemistry and spectroscopy. Prerequisite: registration in or credit for 3011; 1040, 1031, 1041.
- 3011. ORGANIC CHEMISTRY LABORATORY.** (2-0-4). Basic experiments. Prerequisite: registration in or credit for 3010.
- 3020. ORGANIC CHEMISTRY.** (3-3-0). Second half of a one-year course. Preparation, properties, uses, and mode of reaction of aliphatic and aromatic compounds; emphasis on alcohols, aldehydes, ether, ketones, amines, acids and their derivatives. Prerequisite: registration in or credit for 3021; 3010-3011.
- 3021. ORGANIC CHEMISTRY LABORATORY.** (2-0-4). Continuation of 3011. Preparation and qualitative analysis of organic compounds. Prerequisite: registration in or credit for 3020.
- 3400. MINICOMPUTER INTERFACING WITH SCIENTIFIC INSTRUMENTATION.** (3-3-0). Minicomputers in real-time data acquisition and control of scientific instruments. Prerequisite: basic computer course or consent of instructor. (Same as Physics 3400).
- 3900. SPECIAL TOPICS IN CHEMISTRY.** (1 to 3-1 to 3-0). In-depth study of various upper-level elective topics in chemistry; in particular, those not included explicitly among the catalog listings. Prerequisite: 1030, 1040, 1031, 1041, 2110-2111, 3010-3011 or consent of instructor.

- 4900. UNDERGRADUATE SEMINAR.** (1-1-0). Literature search and critical analysis of current chemistry research. Students will present a seminar on a chemistry topic approved by instructor. No more than two hours may be applied toward a B.S. degree.
- 4950. RESEARCH PROBLEMS IN CHEMISTRY.** (1 to 4-0-0). Individual laboratory investigation, the results presented both in a formal report and orally, either at a departmental seminar or professional meeting. Prerequisite: consent of department head.
- 4980. DIRECTED INDIVIDUAL RESEARCH FOR UNDERGRADUATE STUDENTS.** (3-0-9). Chemical research methods for undergraduate students. Investigation of a problem in experimental or theoretical chemistry under supervision of a faculty member. The student will present an oral report to a seminar and a written report describing the results of the research. Should be taken the first semester of the senior year. Prerequisite: consent of the department head.

¹ Credit may not be obtained for both 1030 and either Science 1010 or Chemistry 1070.

² Designed for students in family and consumer sciences, nursing, and other programs requiring terminal courses in chemistry; may not be counted toward a chemistry major or minor. Credit may not be obtained for 1080 and 3010.

³ Credit not allowed for both 2040 and 4040.

⁴ No more than two hours may be applied toward a minor or major in chemistry.

For Undergraduates and Graduates

- 3210. PHYSICAL CHEMISTRY.** (3-3-0). Principles and applications of chemical thermodynamics. Prerequisite: a year of general physics and calculus.
- 3211. PHYSICAL CHEMISTRY LABORATORY.** (1-0-3). General experiments. Prerequisite: registration in or credit for 3210.
- 3220. PHYSICAL CHEMISTRY.** (3-3-0). Continuation of 3210. Chemical kinetics; quantum chemistry with applications to molecular structure and spectroscopy. Prerequisite: 3210 or Physics 3710.
- 3221. PHYSICAL CHEMISTRY LABORATORY.** (1-0-3). Continuation of 3211. Prerequisite: registration in or credit for 3220.
- 4040. GENERAL BIOCHEMISTRY.** (3-3-0). Chemistry of constituents of living matter; carbohydrates, lipids, proteins, nucleic acids, inorganic and other organic materials; chemistry of enzymes as highly specific protein catalysts. Prerequisites: registration in or credit for 4041; Chemistry 3020-3021, 2110-2111.
- 4041. GENERAL BIOCHEMISTRY LABORATORY.** (1-0-3). General experiments in biochemistry; modern biochemical-type instrumentation. Prerequisite: registration in or credit for 4040.
- 4050. GENERAL BIOCHEMISTRY.** (3-3-0). Continuation of 4040. Chemical transformation in living matter; metabolism of carbohydrates, lipids, proteins, nucleic acids, and other biochemical matters. Prerequisite: 4040-4041.
- 4130. QUANTUM CHEMISTRY.** (3-3-0). Methods of quantum mechanics as applied to chemistry. Prerequisite: 3220-3221.
- 4140. INORGANIC CHEMISTRY.** (3-3-0). Theories of inorganic chemistry, including atomic, molecular and crystal structure, thermochemical and electrochemical properties, acidity, solvent systems and coordinated compounds. Prerequisite: 3220-3221.
- 4160. ADVANCED INSTRUMENTAL ANALYSIS.** (2-2-0). Procedures for inorganic and organic product analysis; employment of representative group of instrumental methods. Prerequisite: registration in or credit for 4161; 3220-3221.

- 4161. ADVANCED INSTRUMENTAL LABORATORY.** (2-0-6). Prerequisite: registration in or credit for 4160.
- 4230. POLYMER CHEMISTRY.** (3-3-0). Introductory course. Prerequisite: 3020-3021, 3220-3221, or consent of department head.

¹ Credit not allowed for both 2040 and 4040.

For Graduates Only

- 5000. GENERAL CHEMICAL PRINCIPLES FOR TEACHERS.** (3 to 8-0-0). Principles of chemistry, including states and chemical transformation of matter with emphasis on recent developments. For teachers who need refresher courses in chemistry. Prerequisite: consent of department head.
- 5010. CHEMISTRY FOR SECONDARY TEACHERS.** (3-3-0). Principles of chemistry with application to secondary school chemistry. Current trends and literature in chemistry. Prerequisite: 12 hours of chemistry.
- 5020. EXPERIMENTAL CHEMISTRY FOR TEACHERS.** (3-3-0). Development of laboratory techniques necessary for a modern secondary laboratory. Laboratory experiments and demonstrations.
- 5090. PHYSICAL SCIENCE FOR ELEMENTARY TEACHERS.** (3 to 4-0-0). Teaching basic principles of physical science at the elementary level by the inquiry method.
- 5950. RESEARCH PROBLEMS IN CHEMISTRY.** (1 to 6-0-0).

¹ Credit may not be obtained in both Chemistry 5090 and Physics 5090.

COMPUTER (COMP)

For Undergraduates Only

- 1010. UNDERSTANDING AND USING THE INTERNET.** (3-3-0). Fundamental concepts of accessing and utilizing the Internet. Using Internet tools such as electronic mail, discussion groups, and network browsing for academic purposes. The course will be conducted almost entirely on the Internet with a few classroom meetings. No previous Internet experience required. Prerequisite: consent of the instructor.
- 1020. INTRODUCTION TO COMPUTER APPLICATIONS.** (3-3-0). This course is designed to assist students in preparing for the MOUS (Microsoft Office User Specialist) Core Certification in Word and PowerPoint. Attention is given to developing competency in computer related skills for academic applications. These skills include Windows, word processing, spreadsheets, and graphic presentation software. There are no prerequisites for this class.
- 2010. ADVANCED MICROCOMPUTER APPLICATIONS.** (3-3-0). This course is designed to assist students in preparing for the MOUS (Microsoft Office User Specialist) Word Expert Certification and the MOUS Excel Core and Expert Certification. Attention is given to developing advanced skills in word processing and spreadsheets including data exchange between these two types of applications. Prerequisites: COMP 1020 or consent of the instructor.
- 3010. ADVANCED DATABASE APPLICATIONS.** (3-3-0). This course is designed to assist students in preparing for the MOUS (Microsoft Office User Specialist) Access Core Certification. Attention is given to developing skills for organizing data into informational databases and relational databases that will be useful in solving real-life problems. The fundamentals of creating and using advanced queries, designing forms and reports with calculated controls, and integrating databases with other programs. Prerequisites: COMP 2010 or consent of the instructor.

- 5000. BASIC PROGRAMMING AND COMPUTER APPLICATIONS.** (3-3-0). Standard programming techniques used in BASIC programming. The logic, syntax, and code involved in developing programs to apply to different problems and tasks. Prerequisite: computer literacy course or consent of instructor.
- 5010. MICROCOMPUTER SYSTEMS.** (3-3-0). Mini/Microprocessors; types and levels of language. Use as a problem solving or teaching tool at all levels of education or professional areas. Prerequisite: knowledge of keyboarding or consent of instructor.
- 5020. DIRECTED STUDY IN COMPUTER APPLICATIONS.** (3-1-4). Individual work on special problems in computer information systems. Subject area:
01-applications
02-hardware
03-software
May be repeated for a maximum of nine hours. Maximum of three hours may apply toward a degree. Prerequisite: 5000, 5010 or equivalent.
- 5030. COMPUTER APPLICATIONS SYSTEMS FOR SECONDARY SCHOOLS.** (3-3-0). Teaching a modern computer information systems course at the secondary level. Techniques and concepts of how the computer can be used as a tool in processing information in problem solving. Prerequisite: computer literacy course or consent of instructor.

COMPUTER INFORMATION SYSTEMS (CIS)

For Undergraduates Only

- 1030. STRUCTURED PROGRAMMING DESIGN TECHNIQUES.** (3-3-0). An introduction to structured and modular program design, development, and problem solving. Emphasis will be on typical business processes. A variety of design and documentation methodologies and tools including hierarchy charts, action diagramming and other programming design techniques will be covered. Prerequisite: MATH 1020; CIS 1800 or demonstrated computer literacy.
- 1800. MICROCOMPUTER APPLICATIONS I - INTRODUCTION TO INFORMATION TECHNOLOGY.** (3-3-0). An introductory course focusing on the use of modern microcomputer applications and information technologies. Topics will include word processing, spreadsheet, structured programming, Internet usage, networking, multimedia, and current social issues related to computer technology.
- 2020. STRUCTURED COBOL PROGRAMMING.** (3-3-0). A fundamental course in COBOL covering the basic subset of the language. Students will analyze and program typical business-oriented problems. A modular and structured programming approach will be followed. Analysis of file structures, data field types and structure. Prerequisite: 1030.
- 2980. INTRODUCTION TO DATABASE SYSTEMS.** (3-3-0). Introduction to database systems with an emphasis on data modeling. The course will provide the student with the foundation of knowledge necessary to learn about the application of automated database development tools in a variety of business environments. Prerequisite: 2020.
- 3000. INTERACTIVE APPLICATION PROGRAMMING AND DESIGN.** (3-3-0). An advanced study of interactive programming design including multi-file and indexed file processing, multi-level table handling, and transaction-oriented processing and implementation. Prerequisite: CIS 2020.

- 3020. WEB PAGE DEVELOPMENT.** (3-3-0). This course provides a fundamental understanding of the tools, skills, and general design concepts required to develop web pages. Students will develop and implement web pages, modify images and create web-site navigation systems. Prerequisites: CIS 1800, COMP 1020, or demonstrated computer literacy.
- 3100. E-COMMERCE TECHNOLOGY IN BUSINESS.** (3-3-0). Examines the implications of constantly changing technology for business practices and how e-commerce will affect decision support mechanisms. Topics include the global, economic and societal impact of international information/communication infrastructures, business practices which are emerging due to enabling technology, the effective use of technologies to solve business problems, and an exploration of recent technological developments and their potential uses in business. Ethics and privacy issues will be covered. Completion of a web-based project required. Prerequisites: CIS 1800, COMP 1020, or demonstrated computer literacy.
- 3400. BUSINESS TELECOMMUNICATIONS AND NETWORKS.** (3-3-0). Basic technical concepts and key telecommunications techniques and applications. Study of the current state of the data communications industry, personal computer connectivity, Local Area Networks (LANs) and connecting LANs. An exploration of Wide Area Networks and services, client-server, intranet/extranet architectures, voice communications and video conferencing. Prerequisites: 2980.
- 3900. SYSTEMS ANALYSIS AND DEVELOPMENT.** (3-3-0). A project-oriented study of the planning, analysis, design and implementation of business software systems. Information engineering, structured analysis, prototyping and object-oriented analysis and design methodologies will be covered. Computer-Aided Systems Engineering (CASE) tools will be utilized that support information engineering approaches and automated tools that support the Unified Modeling Language (UML) will be explored. Emphasis will be on data modeling and entity relationship diagramming, process modeling and object modeling techniques. Prerequisite: 2980.
- 3980. COMPUTER ARCHITECTURE FOR CIS.** (3-3-0). An overview of computer hardware for the CIS major. Topics include operating systems, CPU considerations, bus systems, motherboards, memory utilization, storage options, and performance issues. Prerequisites: 1030.
- 3990. NETWORK DESIGN, IMPLEMENTATION AND ADMINISTRATION.** (3-3-0). A study of network topologies and their application to addressing the needs of networking an enterprise. Students will construct a functioning network. Prerequisite: 3400.
- 4000. ADVANCED DATABASE SYSTEMS.** (3-3-0). Advanced topics and techniques of database system technology. Students will design and implement software components integral to database systems using a modern enterprise database management system (DBMS). Prerequisite: 2980.
- 4020. VISUAL EVENT-DRIVEN APPLICATION PROGRAMMING.** (3-3-0). An in-depth course using a visual programming environment including problem-solving, design, and implementation of business-oriented applications that incorporate database management systems. Prerequisite: 2980.

- 4030. E-COMMERCE SYSTEMS: CLIENT-SIDE DEVELOPMENT.** (3-3-0). This course introduces the student to design and development issues associated with client side functionality in e-commerce systems. Students will develop and implement systems incorporating design topics that include web page structure and content, user interaction, web site navigation, and using current standards and development tools. Prerequisites: 1030; 3020 (concurrent enrollment permitted).
- 4100. E-COMMERCE SYSTEMS: SERVER-SIDE DEVELOPMENT.** (3-3-0). The course introduces the student to the issues and practices associated with the implementation and use of a web server to support e-commerce applications. Students will examine operational issues and procedures required to establish and manage a web server host. Students will develop and implement programs that enable the exchange of data between web clients and web servers including the real time interrogation of operational databases. Prerequisites: 2980; 3020 (concurrent enrollment permitted).
- 4200. TOPICS IN INFORMATION SYSTEMS DEVELOPMENT.** (3-3-0). An in-depth study of leading-edge topics in information systems no explicitly included within established courses. Candidate topics may include, but are not limited to: data warehousing, data mining, component-based development and advanced object-oriented analysis, design or programming. May be repeated for credit when topics vary. Prerequisites: CIS 2980 or consent of instructor.
- 4300. COLLABORATIVE FIELD PROJECT.** (3-3-0). Practical field experience in information systems development. Project must be approved by CIS faculty prior to registration. Students are encouraged to obtain an internship with a company performing some systems analysis, database and programming experience. In the event that a formal internship is unfeasible students will participate in a collaborative real world or simulated corporate project. The real world project may be replicated by multiple teams toward a best single solution. Project must be approved by CIS Coordinator prior to registration. Prerequisite: Approval of CIS Coordinator and GPA of 2.5 in major.
- 4400. TOPICS IN E-COMMERCE.** (3-3-0). An in-depth study of leading-edge topics in e-commerce systems not explicitly included within established courses. Candidate topics may include, but are not limited to: XML, Perl, PHP, JSP, advanced topics in server side and client side applications development. May be repeated for credit when topics vary. Prerequisites: 2980, 3030 and consent of instructor.
- 4600. ADVANCED SYSTEMS DEVELOPMENT.** (3-3-0). A capstone, project-oriented study of the planning, analysis, design and implementation of a business system using model-based software tools and other development platforms. Much attention is given to communication and teaming skills. Student teams will be given a user-request for development. Deliverables include: 1) user interviews, 2) project plan, 3) feasibility study and cost-benefit analysis, 4) business model (data and process components), 5) interface design, 6) database design, and 7) program design. A final project presentation by the team will be required. Prerequisite: 3900.

- 4700. TOPICS IN INFORMATION TECHNOLOGY HARDWARE AND SOFTWARE.** (3-3-0). An in-depth study of current technology as it relates to either hardware or software. Topics may include, but are not limited to: Multimedia technology, PC hardware configurations, operating systems, assembly and machine languages, data structures, wireless technology, vendor certification in networks, operating systems, databases or development tools. May be repeated for credit when topics vary. Prerequisites: CIS 2980 or consent of instructor.

COMPUTER SCIENCE (CSC)

For Undergraduates Only

- 1030. INTRODUCTION TO STRUCTURED PROGRAMMING.** (3-3-0). Introduction to the concepts of structured computer programming using BASIC. Cannot be used for credit towards computer science minor. For students with no programming experience.
- 1060. PROGRAM DESIGN I.** (3-3-0). Fundamental concepts of structured programming. Emphasis is on correct program design, algorithm analysis, and problem solving methods. Corequisite: Mathematics 1020.
- 2010. SCIENTIFIC PROGRAMMING IN FORTRAN.** (3-3-0). Introduction to scientific programming and applications using FORTRAN. Prerequisite: 3 hours Computer Science. Corequisite: Mathematics 1090.
- 2060. PROGRAM DESIGN II.** (3-3-0). Introduction to data structures (arrays, stacks, linked lists, queues, trees, file structures, etc.) and their applications; modular programming; programming in the large; and abstract data types. Prerequisite: 1060.
- 2070. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING.** (3-3-0). Data Representation and radix conversion, machine level and assembly language programming, instruction types, and subroutines. Prerequisite: 1060.
- 2080. DISCRETE MATHEMATICS FOR COMPUTER SCIENCE.** (3-3-0). Propositional and first order logic, constructive proofs, mathematical induction, set theory, relations, functions, recursion, computability and recurrence relations, graph theory and graph algorithms, Turing machines. Prerequisites: Mathematics 1020 and 1090 or consent of instructor (same as Mathematics 2080).
- 3050. PROGRAMMING LANGUAGES.** (3-3-0). Syntactic and semantic concepts of programming languages, BNF grammars, syntax, diagrams, scope, binding time, parameter passing mechanisms, data types, control constructs. Survey and comparison of various languages. Prerequisite: 2060.
- 3060. DATABASE THEORY AND DESIGN.** (3-3-0). Advanced treatment of database and information system models (hierarchical, network, and relational), design of DBMS or IS system, normal forms, introduction to expert systems and advanced data models.
- 4050. PRINCIPLES OF OPERATING SYSTEMS.** (3-3-0). Concurrency control, semaphores, monitors, tasks, memory management, virtual memory, process, management, disks and file access and management, interprocess communication, queuing theory. Prerequisite: 2060 and 2070.
- 4060. OBJECT ORIENTED PROGRAMMING.** (3-3-0). Introduction to the fundamental concepts of the object-oriented paradigm using C++ or small talk programming language. Topics: objects, methods, encapsulation, messages and message passing, inheritance, information hiding. Prerequisite: 3050 or consent of the instructor.

COOPERATIVE OCCUPATIONS EXPERIENCE (COOP)

For Undergraduates Only

- 1010. COOPERATIVE OCCUPATIONAL EXPERIENCE I.** (2-0-0). Supervised work experience in related occupational areas. May be repeated three times. Prerequisite: admission to the cooperative program.
- 3010. COOPERATIVE OCCUPATIONAL EXPERIENCE II.** (1-0-0). Supervised work experience program for students who leave the campus for one semester to work full-time in a major related field. May be repeated three times. Prerequisite: admittance to the cooperative program. Grading pass/fail.

COUNSELING (COUN)

For Undergraduates Only

- 1010. PEER COUNSELING AND LEADERSHIP DEVELOPMENT.** (2-2-0). Skills in peer counseling, leadership, communication, and knowledge of organizational procedures in potential college leaders. Prerequisite: consent of instructor.
- 1020. PRACTICAL EXPERIENCE IN COLLEGE LEADERSHIP DEVELOPMENT.** (2-2-0). Continuation of 1010; development, presentation, and critique of projects related to leadership and organizational roles on the college campus. Prerequisite: 1010.

For Undergraduates and Graduates

- 4980. WORKSHOP IN GUIDANCE.** (1 to 3-1 to 3-0). Selected aspects of guidance programs including principles and philosophy, vocational guidance, measurement, program organization, and counseling.

For Graduates Only

- 5000. DYNAMICS OF THE COUNSELING PROCESS.** (3-2-2). Introduction to the field of counseling including philosophical and psychological bases for counseling practice; instruction in basic counseling skills and techniques. Attendance at laboratory sessions required.
- 5510. CAREER AND LIFESTYLE PLANNING.** (3-2-2). Pertinent philosophy and theories of career development, sources of career information and technology designed to assist individuals and groups in lifelong career and lifestyle planning.
- 5530. THEORIES OF COUNSELING.** (3-3-0). Philosophy, theory, and methods of counseling, techniques used by the counselor in realizing the objectives sought in the counseling interview. Prerequisite or corequisite: 5000; 5540 or Student Personnel Services 5500 or consent of instructor.
- 5540. ORGANIZATIONAL BEHAVIOR AND LEADERSHIP IN SCHOOL COUNSELING.** (3-3-0). Relationship of counseling and collaboration with other areas of education - academic units within schools, family units, and the community; study of the organizational behavior of schools; study of the counselor as an educational leader in organizing, coordinating, and interpreting all phases of the counseling program.
- 5550. SUPERVISED EXPERIENCE/PRACTICUM.** (3-1-5). Supervised training opportunity to practice and demonstrate competency in the practical application and integration of principles and methods which have been studied in the training program. Required for students completing the college counseling concentration in Student Personnel Services. Prerequisite: A grade of B or better in COUN 5000 and COUN 5530, full admission to the Student Personnel Services Program, and permission of program faculty.

- 5560. ADVANCED COUNSELING INTERNSHIP.** (3-1-2). Counseling theories; improvement of competencies in counseling through extensive experience in guidance and counseling under supervision. May be repeated for academic credit. Prerequisite: 5550.
- 5570. SUPERVISED EXPERIENCE IN SCHOOL COUNSELING.** (3-3-5). Opportunity to practice and demonstrate competency in the practical application and integration of principles and methods studied in the training program in a school setting. A grade of "B" or better must be earned in prerequisite courses (Counseling 5000, 5530, 5540, and Educational Psychology 5460); students must successfully complete the application process for practicum the semester prior to enrolling in Counseling 5570.
- 5580. GROUP PROCESS FOR SCHOOL COUNSELORS.** (3-3-0). Principles and techniques of group procedures; analysis of interactions and roles played within groups; function of group counseling in schools. Prerequisite: COUN 5000, 5530, 5540 or consent of instructor.
- 5590. SPECIAL PROBLEMS IN COUNSELING.** (1 to 3-1 to 3-0). Seminar requiring individual investigation of problems in guidance, culminating in a research report. Prerequisite: Education 5010; 5540 or Student Personnel Services 5500, and six additional hours of credit in counseling courses.
- 5600. SEMINAR IN ELEMENTARY SCHOOL COUNSELING.** (3-3-0). Principles and techniques of counseling applicable to elementary school. Prerequisite: 5540 or consent of instructor.
- 5610. MULTICULTURAL AND DIVERSE POPULATIONS.** (3-3-0). Didactic and experiential study of selected ethnic and diverse populations. Culturally relevant models of theory and practice will be explored to develop attitudes, knowledge, and skills necessary to counsel with diverse populations. Prerequisite: COUN 5000 or consent of instructor.
- 5650. PROCEDURES IN FAMILY COUNSELING.** (3-3-0). Theory and process in family counseling; problem solving techniques applied to parent-child conflict. Prerequisite: 5530.
- 5810. CAREER DEVELOPMENT IN CHILDHOOD.** (3-3-0). Psychology of career development in childhood; preparation of counselors in orienting children to the world of work. Prerequisite: 5540.
- 5870. COUNSELING THE GIFTED.** (3-3-0). Designed to provide school personnel and parents with techniques for enhancing interpersonal relationships with gifted students. Emphasis on counseling/communication skills and specific strategies for facilitating emotional wellness and coping ability in these students. Prerequisite: Special Education 5840 or consent of instructor. (Same as Special Education 5870).
- 5980. THESIS.** (1 to 6-0-1 to 6).
- 5990. FIELD STUDY IN COUNSELING.** (6-6-0). Student will originate, develop, field-test and evaluate a project designed to investigate an educational problem in the public schools. Project must have the approval of the student's advisory committee.
- 6500. ISSUES AND ETHICS IN COUNSELING.** (3-3-0). Ethics, legal issues, values, and professionalism related to counseling, including understanding and use of Codes of Ethics, critical examination and learning of models of ethical decision-making, and developing ethical conduct. Prerequisites: 5000, 5530, Educational Psychology 5520.

- 6510. FIELD EXPERIENCES IN OCCUPATIONAL DEVELOPMENT.** (3-3-0). Vocational theories, structures, and trends in this geographical area. Participants visit work sites and write occupational critiques of these visits. Opportunity to plan, develop, present and evaluate under supervision an in-depth project related to career development in a variety of settings. Prerequisite: 5510.
- 6520. DIFFERENTIAL DIAGNOSIS AND TREATMENT IN COUNSELING.** (3-3-0). Differential diagnostic procedures and treatment strategies of abnormal behavior for use by counselors. Prerequisites: 5550 or 5570.
- 6530. COUNSELING SEMINAR.** (3-3-0). Research, issues, and areas in counseling. Synthesizing of a personal theory of counseling. Prerequisite: 5550 or consent of instructor.
Subtitles:
01: General Topics/Trends and Issues
02: Advanced Group Leadership
03: Counseling Supervision

CRIMINAL JUSTICE (CJ)

For Undergraduates Only

- 1100. INTRODUCTION TO CRIMINAL JUSTICE.** (3-3-0). Agencies and processes in the criminal justice system: legislature, the police, the prosecutor, the public defender, the courts, and corrections. Roles and problems of law enforcement in a democratic society; inter-component relations and checks and balances.
- 2160. COMMUNITY RELATIONS IN CRIMINAL JUSTICE.** (3-3-0). Problems in citizen relations; treatment of victims, witnesses, and jurors; citizen involvement in the criminal justice process; how popular culture and the media affects and impacts these relationships. Prerequisite: 1100.
- 2300. POLICE PROCESS.** (3-3-0). Social and historical settings of the police; police role and career; police discretion; police values and culture; organization and control. Prerequisite: 1100.
- 2400. ADJUDICATION PROCESS.** (3-3-0). Role and structure of prosecution, public defense, and courts; basic elements of the substantive criminal law; procedural law and relation to constitutional guarantees. Prerequisite: 1100.
- 2500. CORRECTIONS PROCESS.** (3-3-0). Post-conviction correction process; development of a correctional philosophy, theory and practices; description of institutional operation, programming, and management; community base correction; probation and parole. Prerequisite: 1100.
- 2600. INTRODUCTION TO CRIMINALISTICS AND FORENSIC SCIENCE.** (3-3-0). The application of science to law in a criminal justice setting. Students will explore the role that physics, chemistry, biology, pathology, anatomy, psychology, and other major branches of science play in courtroom settings. Emphasis will be placed on the historical evolution of forensic science, terminology, and how scientific methods are used to solve crimes. This course involves active participation in both lecture and in laboratory/field exercises. Prerequisite: Sophomore status and a declared major in criminal justice; or permission of the instructor.
- 3350. ANALYSIS OF POLICE OPERATIONS.** (3-3-0). Police organizations and management; allocation of police resources; information systems; community-relations concerns; determinants of police policy. Prerequisite: 2300.
- 3360. CRIMINAL INVESTIGATION.** (3-3-0). Fundamentals of investigation; crime-scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interview and interrogation; follow-up and case preparation. Prerequisite: 2300.
- 3370. COMMUNITY POLICING.** (3-3-0). The meaning of community policing including its history, impact on crime, disorder and citizen fear of crime; the Flint experience; importance of community involvement and methods to enlist its support; community policing as a philosophy; dealing with problems in the community: gangs, homelessness, minorities, students, tourists, transients and drugs; evaluation of the future of community policing.
- 4000. PRACTICUM IN CRIMINAL JUSTICE.** (6-6-0). This course will give selected criminal justice students an opportunity to observe firsthand, the criminal justice system. The student will spend 18 hours each week in the field at an assigned criminal justice agency. Practicum students are expected to relate what they have learned in the practicum in the research paper to be submitted to their instructor prior to the end of the semester in which the course is taken. Prerequisite: criminal justice major, senior standing, 3.0 GPA in major, and approval by criminal justice advisor.
- 4110. SPECIAL PROBLEMS.** (1 to 3-3-0). Directed individual study of a problem related to the field of criminal justice. Prerequisite: 1100 and junior or senior standing; scheduled by arrangement with instructor only.
- 4450. CRIMINAL LAW.** (3-3-0). The legal definition of crime and defenses; purposes and functions of the substantive criminal law; historical foundations; limits of criminal law; case study approach. Prerequisite: 2400.
- 4460. CRIMINAL EVIDENCE AND PROCEDURE.** (3-3-0). Constitutional and procedural considerations affecting arrest, search and seizure, post-conviction treatment; origin, development, philosophy, constitutional basis of evidence; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies; case study approach. Prerequisite: 2400.
- 4470. ADVANCED CRIMINALISTICS AND FORENSIC SCIENCES.** (3-3-0). The practical application of science to law in a criminal justice setting. Students will fully examine the role that physics, chemistry, biology, pathology, anatomy, psychology, and other branches of science play in courtroom settings. Emphasis will be placed on the practical application of scientific methods in relation to crime solving. This course involves active participation in both lecture and in laboratory/field exercises. Prerequisite: Junior status, a declared major in criminal justice, and successful completion of CJ 2600 and CJ 3360.
- 4480. SENIOR SEMINAR IN CRIMINAL JUSTICE.** (1-1-0). This course is an integration of all academic criminal justice learning, knowledge and skills which provides students a total understanding of the criminal justice system. Furthermore, this course provides a venue for students to meet with criminal justice faculty for culmination purposes, such as preparation for senior testing, preparation for graduation, or preparation for entering criminal justice agencies. Prerequisite: Declared major in Criminal Justice, final semester of senior year, and approval of the Criminal Justice Program Coordinator.

- 4490. TEAM AND ORGANIZATIONAL LEADERSHIP.** (3-3-0). This course will prepare those currently in supervisory or management positions (or those who seek to be) to assess and develop their potential for leadership in the Criminal Justice System. Students will understand the differences between leadership and management, study an overview of leadership theory, and learn a new model for transformative leadership interventions in groups and organizations. As potential agents of positive change, students will assess and develop key knowledge and skill areas that will enable them to facilitate the development of individuals, groups and organizations. Finally, learners will develop the ability to shift their styles, skills and roles appropriately, thereby increasing the effectiveness of their interventions. The knowledge and skills in this course will be applicable to a wide range of applications in the Criminal Justice System. Students will design and implement a proposal that will start a process of positive change in a setting of their choice in the Criminal Justice System, in their communities, in their families, or in their lives.

For Undergraduates and Graduates

- 4500. DRUG USE IN MODERN SOCIETY.** (3-3-0). This course explores the extent of drug use, both licit and illicit; contributing factors and consequences of drug abuse; and steroids and other drugs in sports. Prerequisite: Junior standing or consent of instructor.

DANCE (DAN)

Activity Courses for Men and Women

- 1100. BEGINNING BALLET.** (2-0-3).
1110. JAZZ DANCE. (2-0-3).
1150. BEGINNING TAP DANCE. (2-0-3).
1170. VARSITY DANCE. (2-0-6).
1180. DANCE LINE. (2-0-6).

¹ May be repeated for credit as permitted by University policy on credit for Extra Curricula Activity.

Performance Ensembles

For dance majors and minors, and other students by audition. Prerequisite: consent of instructor.

- 2400. BALLET COMPANY.** (2-0-6).
2410. JAZZ DANCE ENSEMBLE. (2-0-6).
2440. MODERN DANCE ENSEMBLE. (2-0-6).
3550. TAP DANCE REPERTORY. (2-0-3).

Performance Instruction

For dance majors and minors, and other students by audition. Prerequisite: consent of instructor.

- 1700. BALLET TECHNIQUE.** (2-0-4). Practices and techniques of ballet performance. May be repeated for credit, maximum credit eight hours. Prerequisite: consent of instructor.
3700. ADVANCED BALLET TECHNIQUE. (2-0-4). Practices and techniques of ballet performance. May be repeated for credit, maximum credit eight hours. Prerequisite: junior standing in dance major and consent of dance faculty.
5700. GRADUATE BALLET TECHNIQUE. (2-0-4). Practices and techniques of ballet performance and teaching. May be repeated for credit, maximum credit eight hours. Prerequisite: graduate standing in dance curriculum and consent of dance faculty.

For Undergraduates Only

- 1510. INTERMEDIATE JAZZ DANCE.** (2-0-3). Techniques. May be repeated for credit, maximum six hours. Prerequisite: 1110.
1550. INTERMEDIATE TAP DANCE. (2-0-3). Skills. May be repeated for credit, maximum six hours. Prerequisite: 1150.
2510. ADVANCED JAZZ DANCE. (2-0-3). Techniques and performance. Prerequisite: 1510.
2550. ADVANCED TAP DANCE. (2-0-3). Skills and performance. Prerequisite: 1550.
2590. COMPOSITION I. (2-1-2). Introductory course for dance composition. Practice in choreography in preparation for performance of works created by student. Prerequisite: 1740.
3060. MOVEMENT FOR ACTORS. (2-0-3). Creative movement and pantomime for theater and dance majors. Prerequisite: 1140 and consent of instructor.
3070. THEATRICAL DANCE. (2-0-4). Excerpts of dance choreography from Broadway musicals, television and/or motion pictures. Prerequisite: 1110, 1150 and 1740.
3080. DANCE STAGING. (3-1-3). Production for dance concerts, including props, sets, costumes, sound, lights, make-up and special effects. Prerequisite: 2590.
3590. DANCE COMPOSITION II. (2-1-2). Advanced course for dance composition. Practice in choreography in preparation for performance of works created by students. Prerequisite: 2590.
4100. SENIOR CONCERT. (3-1-4). Major performance project to be staged for public presentation. Creative work, designed and choreographed by the student. Required of the dance performance major. Prerequisite: Senior standing in the curriculum.

For Undergraduates and Graduates

- 4070. HISTORY OF DANCE.** (3-3-0). From beginnings in primitive societies to the present. Prerequisite: consent of instructor.
4500. WORKSHOP IN DANCE. (1 to 6-6-0). Short-term intensive work with artist-teacher. Content appropriate to instructor and student. Prerequisite: consent of instructor and department head.
 Subtitles:
 01-ballet
 02-jazz
 03-ballroom
 04-folk and ethnic
 05-modern
 06-tap dance
4640. DANCE PRODUCTION. (3-1-3). A performing company composed of seniors and graduate students selected by audition. Rehearsed and performed by resident and guest faculty. Prerequisite: Senior and graduate advanced dancers selected by audition.
4800. PRACTICUM IN DANCE. (2-0-4). Apprentice teaching in children's and beginning dance classes. To be assigned as needed. Prerequisite: junior standing in curriculum and consent of instructor.
 Subtitles:
 01-ballet
 02-jazz
 03-ballroom
 04-folk and ethnic
 05-modern
 06-tap dance

For Graduates Only

- 5070. PROBLEMS IN DANCE.** (3-3-0). Directed, individual research of selected problems to result in a formal, written paper that may be used in lieu of a thesis. Prerequisite: consent of instructor.
- 5100. MASTERS CONCERT.** (6-3-4). Design, implementation and completion of a creative project in choreography and/or performance. Concert will be designed with the advice and approval of the dance faculty. Final performance must be presented, written and accepted by the dance faculty in fulfillment of degree requirements. Prerequisite: consent of dance faculty.
- 5110. SEMINAR.** (1 to 3-3-0). Scholarly resources and trends culminating in student presentation of projects examining current issues in dance. Prerequisite: consent of instructor.
- 5280. ENSEMBLE PERFORMANCE.** (2-0-4). Problems of public performance from the viewpoint of the director-choreographer. Practical experience with scheduled performances. May be repeated for credit. Maximum of four hours may count toward degree. Prerequisite: graduate standing in curriculum.
- 5530. DANCE DIRECTION.** (3-2-2). Dance production forms, lecture demonstration, recital and theater production, involving direction of original solos and group compositions, stage management (as well as lighting, scenery, properties), costuming, make-up, and arranging for dance accompaniment.

DISTRIBUTIVE EDUCATION (DED)

For Undergraduates Only

- 3810. PRACTICAL EXPERIENCE IN DISTRIBUTIVE OCCUPATIONS I.** (1-0-0). Actual experience working a minimum of 200 hours in approved marketing positions under direction of the teacher educator. Prerequisite: permission of department head and instructor; junior or senior standing; major in Distributive Education.
- 3820. PRACTICAL EXPERIENCE IN DISTRIBUTIVE OCCUPATIONS II.** (1-0-0). Second semester of practical experience under direction of the teacher educator. Prerequisite: 3810.

For Undergraduates and Graduates

- 4210. DISTRIBUTIVE EDUCATION PROGRAMS.** (3-3-0). Duties and responsibilities of distributive education co-ordinators; facilities, organization and procedures for establishing programs of distributive education. Prerequisites: Education 1020, Educational Psychology 2010, consent of instructor.
- 4230. HUMAN RELATIONS IN DISTRIBUTIVE EDUCATION.** (3-3-0). Human relations and its importance in the educational, occupational, economic, and social activities of an individual involved in the instruction and/or supervision of other persons in office occupations or distributive education. (Same as Business Education 4230.)

For Graduates Only

- 5110. PRACTICAL PROBLEMS IN DISTRIBUTIVE EDUCATION.** (3-3-0). Current problems and proposed solutions; policies and procedures relating to public relations, advertising, selling, product development, competitive pricing, marketing research, marketing efficiency and control; reports on current trends.
- 5920. PROGRAM DEVELOPMENT IN DISTRIBUTIVE EDUCATION.** (3-3-0). Factors bearing upon the issues, principles, patterns, and procedures in the development of high school distributive education curricula.

- 5990. PRACTICUM IN DISTRIBUTIVE OCCUPATIONS.** (1 to 6-0-0). Supervised field experience in an organization engaged in the distribution of goods or services.
- 6010. CURRENT TRENDS AND ISSUES IN DISTRIBUTIVE OCCUPATIONS.** (1 to 3-3-0). Major issues in distributive occupations, opinions of leaders and trends of thought. Prerequisite: 5110 or Business Education 5100 or consent of instructor.
- 6240. IMPROVEMENT OF INSTRUCTION IN DISTRIBUTIVE EDUCATION.** (3-3-0). Selection and improvement of techniques and materials in teaching classroom materials, methods and current trends through a mutual sharing of ideas and experience. Prerequisite: teaching experience and Distributive Education certificate.

EARLY CHILDHOOD EDUCATION (ECED)

For Undergraduates Only

- 1060. ORIENTATION TO EARLY CHILDHOOD EDUCATION.** (1-1-0). Early childhood education as an integrated part of the profession of Family and Consumer Sciences. Identification of professional organizations, ethical and legal guidelines, and professional standards. Demonstration of collaborative learning to inform practice and integrate knowledge of early education, and engage in informed advocacy of young children and the profession. Prerequisite: for majors only.
- 2070. FIELD SERVICE FOR CHILD DEVELOPMENT.** (3 to 6-3-0). Prerequisite: consent of department head.
- 3060. CHILD DEVELOPMENT AND APPROPRIATE PRACTICES FOR YOUNG CHILDREN.** (3-2-1). Physical, mental, social and emotional development and guidance of a child. Directed observation and participation in the child development center to include developmentally appropriate assessment and healthy environment design that respects and challenges all children. Two hours per week of field experience required. Prerequisite: sophomore standing.
- 3070. APPROPRIATE PRACTICES FOR INFANTS AND TODDLERS.** (3-2-1). Examining and assessing developmentally appropriate caregiving and educational practices for infants and toddlers. Investigating differences in family and community culture, linguistic diversity, and children's needs. Exploring multiple influences on development and learning. Directed observation and practical experiences with infants and toddlers. Two hours of field experience per week required. Prerequisite: sophomore standing; for majors only or consent of the instructor.
- 3080. PROGRAM DESIGN AND CLASSROOM MANAGEMENT FOR YOUNG CHILDREN.** (3-2-5). The staff's role and responsibility in integrating understanding of (a) relationships of home and school environments, (b) developmentally appropriate approaches to teaching and learning, (c) effective classroom management strategies, and (d) knowledge of academic disciplines. Evaluate positive approaches to teaching young children and examine curricula for evidence of meaningful learning outcomes for all courses. Five hours of field experience per week required. Prerequisite: admission to teacher candidacy. Corequisites: 3090, 3110.
- 3090. ENVIRONMENTS FOR YOUNG CHILDREN.** (3-2-5). Planning and evaluating environments in early childhood settings. Selecting and designing furnishings, equipment, and materials to create an environment that is healthy, respectful, supportive, and challenging. Five hours of field experience per week required. Prerequisite: admission to teacher candidacy. Corequisites: 3080, 3110.

- 3110. EARLY CHILDHOOD METHODS.** (3-2-5). Implementing developmentally appropriate practices for teaching at the Early Childhood level. Techniques and procedures for connecting home and school environments, understanding content knowledge and designing and implementing authentic learning experiences, and using assessment to make curricula design decisions in the Early Childhood setting. Five hours of field experience per week required. Prerequisite: admission to teacher candidacy. Corequisites: 3080, 3090.

For Graduates Only

- 5010. ADVANCED CHILD DEVELOPMENT.** (3-3-0). Physical, cognitive and affective development of young children. Prerequisite: 2000 or Educational Psychology 3010.
- 5020. DYNAMICS OF ADULT-CHILD RELATIONSHIPS.** (3-3-0). Application of principles of child and family development to relationships among young children, their parents and teachers.
- 5180. ADMINISTRATION AND ORGANIZATION OF EARLY CHILDHOOD PROGRAMS.** (3-3-0). Philosophy, objectives, and methods of organizing and operating kindergartens, nursery schools, child care centers and play groups for children below six years of age. (Same as Educational Leadership.)
- 5190. ADVANCED EARLY CHILDHOOD CURRICULUM.** (3-3-0). Curriculum and methods of teaching pre-primary programs. Prerequisite: six hours in child development and/or child psychology. (Same as Education 5190.)
- 5430. INFANTS AND TODDLERS.** (3-3-0). Development, care and education of infants and toddlers in families and group settings.
- 5450. CHILDREN'S CENTERS.** (3-3-0). Problem-solving activities in housing and equipping an early childhood program; designing learning centers.
- 5460. TRENDS AND ISSUES IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Trends, research, and issues; literature; application and implications for early childhood programs.
- 5470. PRACTICUM IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Individualized program under supervision and guidance; practical experience in organized programs for the child below six. Work with adults, college students, and children. (Same as Education 5470.)
- 5930. SPECIAL PROBLEMS IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Independent study; analysis and compilation of research in an area of early childhood education as approved by the instructor.
- 5950. RESEARCH PROBLEMS.** (1 to 6-0-0). Non-degree credit. May be repeated. (Same as Family and Consumer Sciences 5950.)
- 5980. THESIS.** (1 to 6-0-0). Same as Family and Consumer Sciences 5980.

ECONOMICS (ECON)

For Undergraduates Only

- 2000. PRINCIPLES OF MACROECONOMICS.** (3-3-0). A survey of economic principles governing the behavior of the aggregate economy. It addresses the problem of how fiscal and monetary authorities promote price level stability and economy growth. For business majors who take both Economics 2000 and 2010, it is recommended that Economics 2000 be taken first. For non-business majors who take only one course in economics, this course is recommended. Prerequisite: sophomore standing.

- 2010. PRINCIPLES OF MICROECONOMICS.** (3-3-0). A survey of economic principles governing the behavior of individual households and business firms and the markets for specific goods. It addresses the problems of how market prices influence the allocation of society's scarce resources and the distribution of income among its members. For business majors who take both Economics 2000 and 2010, it is recommended that Economics 2000 be taken first. For non-business majors who take only one course in economics, Economics 2000 is recommended. Prerequisite: sophomore standing. (Credit not allowed for both ECON 2010 and SECO 2810.)
- 3000. MANAGERIAL ECONOMICS.** (3-3-0). Microeconomic theory and decision science methodology applied to solve business and managerial problems. The study of how to allocate resources to most efficiently achieve managerial goals. Prerequisites: ECON 2010 and MATH 2010. (Same as SECO 3000.)
- 3100. MONEY AND BANKING.** (3-3-0). Origin, development, and functions of money; basic monetary theory; financial institutions of the U.S. and how they affect the volume of spending. (Same as Finance 3100). Prerequisite: 2000, 2010.
- 3110. PUBLIC FINANCE.** (3-3-0). Rationale for government's role in a market economy. Fundamental analysis of government expenditures, receipts, budgets, intergovernmental relations, fiscal policy and techniques of program evaluation. Prerequisite: 2000 and 2010.
- 3160. BUSINESS AND PUBLIC POLICY.** (3-3-0). Relationships between government and business; government as regulator, subsidizer, partner, and competitor of private enterprise; changing nature of the American economic system. Prerequisites: 2000, 2010.
- 3200. INTERMEDIATE PRICE THEORY.** (3-3-0). Theories of price determination under various market conditions, e.g., competition and monopoly; pricing of products, factors of production and their interrelationships; functional distribution of income. Prerequisites: 2000 and 2010.
- 3300. MACROECONOMIC ANALYSIS.** (3-3-0). Intermediate examination of aggregate theory with emphasis on social income accounting and functional relationships between important aggregate variables; social policy implications of aggregate adjustments and their application to forecasting. Prerequisite: 2000 or consent of instructor.
- 4060. DIRECTED INDIVIDUAL STUDY.** (3-3-0). A faculty-directed readings and writing course on areas such as environmental economics, law and economics, health economics, economics and the journalist, economics of the learning production process, forensic economics, etc. Prerequisite: Consent of instructor and senior standing.
- 4070. HISTORY OF ECONOMIC THOUGHT AND THE DEVELOPMENT OF ECONOMIC SYSTEMS.** (3-3-0). Comparison of the social and philosophical bases of current economic systems, the problems associated with central planning and free market allocation and the history of these practices in selected modern national states, especially the U. S., Britain and Russia. Prerequisites: 2000 and 2010.
- 4120. PROBLEMS OF ECONOMIC DEVELOPMENT.** (3-3-0). Problems related to economic development with emphasis on stages of development and problems of growth. Prerequisites: 2000, 2010.
- 4160. INTERNATIONAL TRADE.** (3-3-0). Pure and monetary theories of international trade; problems in international monetary equilibrium. Prerequisites: 2000 and 2010.

4500. **INTRODUCTION TO ECONOMETRICS.** (3-3-0). Mathematical formulation and statistical estimation of structural parameters of single equation economic models. Prerequisites: 2000, 2010, Mathematics 2010, and Business Administration 2120.
4510. **BUSINESS FORECASTING.** (3-3-0). Techniques of forecasting and use of information from macroeconomic forecasts to make forecasts for the firm. Prerequisite: 4500.

EDUCATION (EDUC)

For Undergraduates Only

1030. **SEMINAR FOR TEACHER AIDES.** (3-3-0). Problem-oriented course for students employed as teacher aides. Problems identified by teacher aides and their supervisors; group discussion, individual conferences, laboratory experiences.
1380. **PROBLEMS IN EDUCATION.** (1 to 3-1 to 3-0).
2000. **PRINCIPLES OF MIDDLE SCHOOL EDUCATION.** (3-3-0). Principles and philosophical bases of teaching the middle or junior high school level.
2020. **FOUNDATIONS OF MULTICULTURAL EDUCATION.** (3-3-0). Historical and philosophical foundations of education; a study of multicultural education with special emphasis on such dimensions of diversity as socioeconomic status, language, ethnicity and race, gender, religion and exceptionality; field experience component.
2200. **PRACTICUM FOR TEACHER AIDES.** (6-0-18). Experience as an aide in elementary or secondary school three hours daily. Extra-class duties and attending conferences arranged by cooperating teachers and college supervisors. Prerequisite: 1030, 2020, Educational Psychology 3010, 3030, or 3040.
2380. **PROBLEMS IN ELEMENTARY EDUCATION II.** (3-3-0). Applicable for a degree in elementary education as electives for individuals in the Career Opportunities Program. Prerequisite: permission of the department head.
2500. **TUTORING THE EDUCATIONALLY DISADVANTAGED.** (3-0-6). Experience in tutoring the educationally disadvantaged six clock hours per week in subjects such as developmental reading, writing, and mathematics. Extra-class duties may include participation in seminars and conferences arranged by the cooperating agency and the university supervisor.
3020. **CLASSROOM MANAGEMENT STRATEGIES.** (1-1-0). Practical knowledge and application of classroom management strategies for all students. Prerequisites: Education 2020, Educational Psychology 3000, 3010.
3100. **MATHEMATICAL CONCEPTS AND METHODOLOGY IN THE PK-6 CLASSROOM.** (3-3-0). Identifies and creates mathematical tasks for teaching and pupil assessment in grades PK-6. Pre-service teachers will focus on knowledge acquisition of mathematical concepts, number sense and problem solving to develop mathematical power for students in the PK-6 classroom. Particular attention will be given to address student exceptionalities and differing abilities. Prerequisites: Admission to candidacy for a degree in teacher education; MATH 2030 and 2040.
3140. **PRINCIPLES OF TEACHING.** (3-3-0). Theory and techniques of planning for instruction based on the assessment of diverse populations, classroom organization and management, use of technology, creating classroom assessment devices, and the interpretation of standardized test results. Includes field experience component. Prerequisite: admission to candidacy in teacher education; credit for or concurrent enrollment in EPSY 3010 or EPSY 3020 or EPSY 3030.
3210. **CLASSROOM MANAGEMENT STRATEGIES FOR THE ELEMENTARY CLASSROOM.** (3-3-0). Focus on essential features of classroom organization and management for elementary students. Information and application exercises will be provided on topics such as: arranging physical space, choosing rules and procedures, planning and conducting instruction, maintaining appropriate behavior, and managing problem behavior. Practical knowledge and application of classroom management strategies for candidates seeking certification in 1-6 and 4-8. Case studies, course readings, examples, field experiences, and applied assignments will be tailored to the grade level and content area for which certification is being sought. Prerequisites: Teacher candidacy; EPSY 3020 or 3030. Corequisite: enrollment in student teaching.
3220. **CLASSROOM MANAGEMENT STRATEGIES FOR SECONDARY CLASSROOMS.** (3-3-0). Focus on essential features of classroom organization and management for secondary students. Information and application exercises will be provided on topics such as: arranging physical space, choosing rules and procedures, planning and conducting instruction, maintaining appropriate behavior, and managing problem behavior. Practical knowledge and application of classroom management strategies for candidates seeking certification in 7-12. Case studies, course readings, examples, field experiences, and applied assignments will be tailored to the grade level and content area for which certification is being sought. Prerequisites: Admission to teacher candidacy; EPSY 3030. Corequisite: enrollment in student teaching.
3380. **PROBLEMS IN ELEMENTARY EDUCATION III.** (3-3-0). Applicable for a degree in elementary education as electives in the Career Opportunities Program. Prerequisite: permission of the department head.
4010. **SECONDARY SCHOOL TEACHING METHODS.** (3-3-2). Application of special methods to the teaching process; emphasis on effective teaching strategies, classroom management and discipline, instructional clarity, pluralistic and exceptional populations. Includes a field-based practicum with supervising teacher in secondary content area classroom. Prerequisite: Admission to candidacy for degree in teacher education; completion of 3140 with a grade of C or better.
4020. **STUDENT TEACHING IN SECONDARY SCHOOLS.** (3 to 12-0-6 to 24). Planning, teaching and observing in high school three to six hours daily; participating in extra-class duties and attending conferences arranged by cooperating teachers and/or college supervisors. Prerequisite: Admission to candidacy for degree in teacher education; appropriate methods course; application for assignment in student teaching; and passing scores on PRAXIS Principles of Learning & Teaching and Specialty Area tests.
Subtitles:
02-biology
03-business and office education
04-chemistry
05-distributive education
06-earth sciences
07-English
09-general science
10-family and consumer sciences, vocational
11-industrial arts
13-mathematics
14-secondary music, instrumental
15-secondary music, vocal
16-secondary physical education
18-physics
19-social studies
20-speech
22-special education mild/moderate

- 4040. STUDENT TEACHING IN THE ELEMENTARY SCHOOL.** (6 to 12-0-12 to 25). Observing, planning, and teaching in elementary schools a minimum of five hours daily. Students schedule according to certification areas from subtitles below. Prerequisites: Admission to candidacy for degree in teacher education; appropriate methods course; application for assignment in student teaching; and passing scores on PRAXIS Principles of Learning & Teaching and Specialty Area test.

Subtitles:

- 01-elementary
- 02-elementary special education mild/moderate
- 03-elementary music, instrumental
- 04-elementary music, vocal
- 05-practicum-infants/toddlers
- 06-practicum-kindergarten/preschool
- 07-practicum-kindergarten

- 4080. LITERATURE AND LANGUAGE IN THE ELEMENTARY SCHOOL.** (3-2-3). Approaches and strategies for using literature as the basis for the language arts program and as a framework throughout the curriculum. Organization of materials, teaching methodology/strategies, procedures, trends and student assessment issues in language arts for the elementary school teacher. Prerequisite: admission to candidacy for a degree in teacher education; EDUC 3140 and RDG 3060 with C or better; co-registration in RDG 4070, EDUC 4230, 4330, 4080.

- 4230. CONTENT AND TECHNIQUES OF TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL.** (3-2-3). Organization of materials; teaching methodology/strategies, procedures, teaching aides, trends and student assessment issues in mathematics for the elementary school teacher. Prerequisites: admission to candidacy for a degree in teacher education; Education 3140 and Reading 3060 with C or better; co-registration in Reading 4070, Education 4080, 4330, 4430.

- 4330. CONTENT AND TECHNIQUES OF TEACHING SCIENCE IN THE ELEMENTARY SCHOOL.** (3-2-3). Organization of materials; teaching methodology/strategies, procedures, teaching aides, trends and student assessment issues in science for the elementary school teacher. Prerequisites: admission to candidacy for a degree in teacher education; Education 3140 and Reading 3060 with C or better; co-registration in Reading 4070, Education 4080, 4230, 4430.

- 4430. CONTENT AND TECHNIQUES OF TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL.** (3-2-3). Organization of materials; teaching methodology/strategies, procedures, teaching aides, trends and student assessment issues in social studies for the elementary school teacher. Prerequisites: admission to candidacy for a degree in teacher education; Education 3140 and Reading 3060 with C or better; co-registration in Reading 4070, Education 4080, 4230, 4330.

- 4950. STUDENT TEACHING IN EARLY CHILDHOOD EDUCATION.** (9-0-25). Observing, planning, and teaching in the early childhood school a minimum of 5 hours daily. Prerequisites: Admission to teacher candidacy for degree in teacher education; appropriate methods courses; application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: FACS 4160.

- 4960. STUDENT TEACHING IN THE ELEMENTARY SCHOOL.** (9-0-25). Observing, planning, and teaching in the elementary school grades a minimum of 5 hours daily. Prerequisites: Admission to teacher candidacy for degree in teacher education; appropriate methods courses; application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty

Area tests. Corequisite: Education 3020. Students schedule according to certification areas for subtitles below: Subtitles: 02-elementary special education mild/moderate; 03-elementary music instrumental; 04-elementary music, vocal.

- 4970. STUDENT TEACHING IN THE MIDDLE SCHOOL.** (9-0-25). Observing, planning, and teaching in the middle school a minimum of 5 hours daily. Prerequisites: Admission to teacher candidacy for degree in teacher education; appropriate methods courses; application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: Education 3020. Student schedule according to certification areas from subtitles below: Subtitles: 02-elementary special education mild/moderate; 03-elementary music, instrumental; 04-elementary music, vocal.

- 4980. STUDENT TEACHING IN THE SECONDARY SCHOOL.** (9-0-25). Planning, teaching, and observing in the secondary school a minimum of six hours daily; participating in extra-class duties and attending conferences arranged by cooperating teachers and/or college supervisors. Prerequisite: Admission to candidacy in teacher education; appropriate methods courses, application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: EDUC 3020. Students schedule according to certification areas for subtitles below: Subtitles: 02-biology; 03-business and office education; 04-chemistry; 07-English; 10-family and consumer science; 13-mathematics; 14-secondary music, instrumental; 15-secondary music, vocal; 16-secondary physical education; 18-physics; 19-social studies; 20-speech; 22-special education mild/moderate.

For Undergraduates and Graduates

- 4140. UPPER ELEMENTARY CURRICULUM AND INSTRUCTIONAL STRATEGIES.** (3-3-0). Upper Elementary Curriculum and Instructional Strategies. Basic concepts underlying the middle school; the unique learning and social needs of the adolescent; creative application of teaching strategies and instructional tactics; flexible scheduling and administrative practice. Pre-requisite: admission to teacher candidacy.

- 4150. TRAINING AND UTILIZATION OF TEACHER-AIDES IN THE PUBLIC SCHOOLS.** (1 to 3-3-0). Role of teacher-aides; training, abilities needed, and responsibilities to pupils, teachers, parents, school and community.

- 4620. INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Teaching in area(s) of specialization under the cooperative supervision of the school and university supervisor. Systematic supervision and evaluations by the school and university supervisors, and participation in seminars or conferences. Prerequisites: Baccalaureate degree, completion of methods course, an approved application for the internship, and passing scores on PRAXIS Pre-Professional Skills Tests, Principles of Learning & Teaching and Specialty Area tests. Subtitles:

- 01-secondary teaching
- 05-special education
- 06-elementary teaching

- 4800. MICROTECHNOLOGY APPLICATIONS IN EDUCATION.** (3-1-4). Administrative and classroom application of technology to the educational process. Microprocessors, video, video games, simulations, computer management systems, computer graphics, computer assisted instruction. Development and use of locally produced and canned software for instruction and management. Prerequisite: admission to teacher candidacy or teacher certification.

For Graduates Only

- 5010. EDUCATIONAL RESEARCH AND EVALUATION.** (3-3-0). Qualitative and quantitative approaches to organization, design, implementation and interpretation of empirical research in behavioral sciences; preparation of research proposals; evaluation of proposals and reports. Prerequisite: admission to graduate study; Educational Psychology 4400 or consent of instructor. (Same as Educational Psychology 5010).
- 5020. RESEARCH ON CURRICULUM AND INSTRUCTION.** (3-3-0). Review, interpretation and synthesis of research on school curriculum and instructional models, methods and strategies; implementation of research outcomes in educational settings; preparation of research reports. Prerequisite: 5010 or consent of instructor.
- 5030. EDUCATIONAL PHILOSOPHY AND LEADERSHIP.** (3-3-0). Philosophical, sociological, and historical foundations of education; educational organization and management; leadership strategies; and trends and issues in the development of educational programs.
- 5160. PRINCIPLES OF CURRICULUM DEVELOPMENT.** (3-3-0). Principles and practices of curriculum development with opportunities to participate in curriculum construction.
- 5370. SEMINAR IN TEACHING.** (3-3-0). Group discussions, individual conferences, reading and research on problems identified by students or mentor teachers during internship. Corequisite: EDUC 5410, 5420, 5430 or 5440.
- 5380. SEMINAR IN TEACHING.** (3-3-0). Group discussions, individual conferences, reading and research on problems identified by students or mentor teachers during internship. Prerequisite: EDUC 5370.
- 5410. ELEMENTARY INTERNSHIP IN TEACHING.** (3 to 6-0-6 to 12). Full-time teaching in Elementary in state approved schools under supervision of University and school-based personnel. Prerequisites: EDUC 5600, 5610, and EPSY 5490; or EDUC 5630, 5640, and EPSY 5480; passing scores on all required PRAXIS tests.
- 5420. MIDDLE SCHOOL INTERNSHIP IN TEACHING.** (3 to 6-0-6 to 12). Full-time teaching in Middle School grades in state approved schools under supervision of University and school-based personnel. Prerequisites: EDUC 5600, 5610, and EPSY 5490, or EDUC 5630, 5640, and EPSY 5480; passing scores on all required PRAXIS tests.
- 5430. SECONDARY INTERNSHIP IN TEACHING.** (3 to 6-0-6 to 12). Full-time teaching in a secondary certification content area in state approved schools under supervision of University and school-based personnel. Prerequisites: EDUC 5600, 5610, and EPSY 5490, or EDUC 5630, 5640, and EPSY 5480; passing scores on all required PRAXIS tests.
- 5440. SPECIAL EDUCATION MILD/MODERATE INTERNSHIP IN TEACHING.** (3 to 6-0-6 to 12). Full-time teaching in Special Education Mild/Moderate Grades 1-12 in state approved schools under supervision of University and school-based personnel. Prerequisites: SPED 5170, 5180, and 5190; passing scores on all required PRAXIS tests.
- 5450. EARLY CHILDHOOD INTERNSHIP IN TEACHING.** (3 to 6-0-6 to 12). Full-time teaching in Early Childhood Grades in state approved schools under supervision of University and school-based personnel. Prerequisite: ECED 5470, 5010, 5190; SPED 5510; EPSY 5490; RDG 4610; passing scores on all required PRAXIS tests.
- 5600. PRINCIPLES OF INSTRUCTIONAL DESIGN.** (3-2-1). Theory of instructional design as derived from human learning principles. Techniques of instructional design, classroom management and organization, and assessment for the diverse learner. Includes field experience component. Prerequisite: Admission to alternative post-baccalaureate certification program (501) or (505T).
- 5610. INSTRUCTIONAL METHODOLOGY.** (3-2-1). Research on current issues and trends related to classroom management/organization, instructional design, strategies, instructional technology, and assessment for diverse learners. Includes field experiences component. Prerequisites: Admission to alternate post-baccalaureate certification program (501) or (505T), EDUC 5600.
- 5630. INSTRUCTIONAL PLANNING AND DESIGN.** (3-2-1). Principles of instructional planning and design, classroom management and organization, and assessment for the diverse learner. Includes field experience component. Admission to PREP. Co-requisites: EDUC 5640; EPSY 5480.
- 5640. METHODS OF INSTRUCTION.** (3-3-2). Research on current issues and trends related to classroom management/organization, instructional design, strategies, instructional technology, and assessment for diverse learners. Includes field experience component. Co-requisite: EDUC 5630.
- 5840. RESEARCH BASED DECISION-MAKING IN EDUCATION.** (3-3-0). Focuses on the criteria standards and strategies that the community of practitioners need to employ to make sound, empirically supported professional decisions. Students will have opportunities to develop skills in evidence gathering, interpreting and evaluating evidence presented by other professionals using objective established criteria.
- 5950. RESEARCH PROBLEMS.** (3-0-0). Maximum of six hours toward degree. Design, organization, and implementation of a research or development project under the direction of the student's major professor. Written report and evaluation required. Prerequisites: successful completion of two-thirds of degree program, 5010 or equivalent, and approval of major professor.
- 5980. THESIS.** (3-0-0). Maximum of six hours toward degree. Prerequisite: successful completion of two-thirds of degree program, and approval of major professor.
- 5990. FIELD STUDY IN EDUCATION.** (3-0-0). Maximum of six hours toward degree. Student will originate, develop, field-test and evaluate a project designed to investigate an educational problem in the public schools. Project must have the approval of the student's advisory committee. This course will be taught by the student's major professor. At the master's level, the course is restricted to the Local Education Agency-Based Academic Plan. Prerequisites: successful completion of two-thirds of degree program, and approval of the major professor and the student's advisory committee.

¹ May not be used to satisfy graduate degree requirements.

EDUCATION - ADULT AND CONTINUING (EDAE)

For Undergraduates and Graduates

- 4700. FUNDAMENTALS OF TEACHING ADULT EDUCATION.** (3-3-0). Conditions of learning through the lifespan and within a variety of cultural settings. Emphasis is given to the literature of adult learning as a distinct discipline and the diversity of forms of learning an adult's life.
- 4720. MATERIALS AND METHODS IN TEACHING ADULT EDUCATION.** (3-3-0). Selection and utilization of materials and techniques appropriate to the educational needs of adults in their various life roles as economic contributors, family members, and individuals in society. Prerequisite: senior standing or above.

- 4730. READING INSTRUCTION IN ADULT EDUCATION.** (3-3-0). Identification of reading skills; evaluation of reading skills; evaluation of reading skills; evaluation of reading achievement; diagnosis of specific problem areas; developing instructional materials and methodology.
- 4740. PRACTICUM IN ADULT AND COMMUNITY EDUCATION.** (3-0-15). Appropriate placement at adult and community education sites for laboratory and field experience. Directed research required at graduate level.

For Graduates Only

- 5700. DEVELOPMENT AND LEARNING IN ADULTHOOD.** (3-3-0). Adult development and learning theory form the foundation of every adult educator's professional practice. This course introduces the knowledge base of adult development theory. Students examine the primary theoreticians of psychological and social development, and engage in the interpretation of these theories in the context of adult learning projects.
- 5710. FOUNDATIONS OF ADULT/CONTINUING EDUCATION.** (3-3-0). History, profession, primary philosophies, major organizations of adult education. This core course introduces the degree candidate to the traditions, institutions, and professional obligations of the adult educator.
- 5730. ORGANIZATION AND ADMINISTRATION OF ADULT EDUCATION CLASSES.** (3-3-0). Design and delivery of instruction for adults in many formats and settings. Facilitating learning through technology. Legal, ethical, and financial considerations of instructional design.
- 5740. ADULT LEARNING IN DISTANCE EDUCATION SETTINGS.** (3-3-0). Theory and nature of adult learning in distance education settings. Current technology and instructional design, learner evaluation, and systematic training and development. Transfer of learning for persons with disabilities and for institutionalized populations.
- 5750. PROGRAM DEVELOPMENT PROCESS IN ADULT AND CONTINUING EDUCATION.** (3-3-0). Designing, maintaining, and improving organizations and complex programs in continuing and adult education. Identification of communities of interest and stakeholders, needs assessment, long range planning, and evaluation are included.
- 5760. THEORY AND IMPLEMENTATION OF STAFF DEVELOPMENT PROGRAMS.** (3-3-0). Foundation and practical application of comprehensive staff development program for schools, businesses, and other organizations. Emphasis on organizational process and individual growth.

EDUCATION – MONTESSORI EDUCATION (EDME)

For Graduates Only

- 5000. MONTESSORI PHILOSOPHY, PSYCHOLOGY, AND CLASSROOM MANAGEMENT.** (3-3-0). Consists of an overview of the origin and history of the Montessori philosophy, psychology, and methodology; concepts of discipline in the Montessori environment. This course is required for all Early Childhood and Elementary I and II enrollees seeking Montessori endorsement.
- 5010. MONTESSORI METHODS OF TEACHING LANGUAGE ARTS.** (3-3-0). Essential structure, rationale, and skills necessary in communicating thought through verbal and written language exercises in the Montessori environment. Prerequisite: EDME 5000.
- 5020. MONTESSORI METHODS OF TEACHING MATHEMATICS.** (3-3-0). Rationale and structure of mathematics in the Montessori environment; prescribes and presents appropriate materials commensurate with the child's abilities, needs, and learning styles. Prerequisite: EDME 5000.

- 5030. MONTESSORI METHODS OF TEACHING GEOMETRY.** (3-3-0). Consists of preparation and presentation of exercises in the area of geometry; leading children to self discovery of abstract concepts through manipulation of concrete materials. Prerequisite: EDME 5000.
- 5040. MONTESSORI METHODS OF TEACHING SCIENCE AND PRACTICAL LIFE.** (3-3-0). Consists of training in the scientific process of experiment; includes the physical sciences of chemistry, physics, and geology and life sciences of botany and zoology. Prerequisite: EDME 5000.
- 5050. MONTESSORI METHODS OF TEACHING CULTURAL STUDIES.** (3-3-0). Consists of training in cultural arts using Montessori methods. Prerequisite: EDME 5000.
- 5060. PRACTICUM I IN MONTESSORI METHODS.** (3-0-18). Fulfill a semester (270 clock hours) practicum under the guidance of an experienced, certified Montessori guide in a Montessori Elementary environment approved by the SMTCE Educations Committee. Prerequisite: EDME 5000.
- 5070. PRACTICUM II IN MONTESSORI METHODS.** (3-0-18). Fulfill a semester (270 clock hours) practicum under the guidance of an experienced, certified Montessori guide in a Montessori Elementary environment approved by the SMTCE Educations Committee. Prerequisite: EDME 5000 and 5060.

EDUCATIONAL LEADERSHIP (EDL)

For Graduates Only

- 5100. PUBLIC SCHOOL ORGANIZATION AND ADMINISTRATION.** (3-3-0). National, state and local administration, organization of public education; instructional leadership; administration of special services; pupil personnel administration; financial and business administration; school plant administration; administration of school-community relations.
- 5110. SUPERVISION OF INSTRUCTION.** (3-3-0). Science and techniques of supervision; observation of teaching; demonstration teaching; evaluation of supervision.
- 5140. THE SECONDARY SCHOOL PRINCIPALSHIP.** (3-3-0). Duties and responsibilities of the secondary principal in organization, leadership, administration and supervision; professional growth; relationship to school, teachers, and patrons.
- 5150. SUPERVISION OF STUDENT TEACHING.** (3-3-0). Philosophy, science, and technique of supervising student teachers, observing cooperating teachers; demonstration teaching, evaluating student teaching.
- 5190. PROBLEMS IN EDUCATIONAL ADMINISTRATION.** (3-3-0). Current issues in school administration.
- 5290. SUPERVISION OF CHILD WELFARE AND ATTENDANCE.** (3-3-0). Principles and practices for child welfare and attendance.
- 5350. ADMINISTRATION OF THE ELEMENTARY SCHOOL.** (3-3-0). Duties and responsibilities of the elementary school principals in organization, leadership, administration and supervision; principal's professional growth and their relationships to school, teachers, and patrons.
- 6100. SCHOOL FACILITIES AND EQUIPMENT.** (3-3-0). Planning functional school buildings; educational specifications, site selection, plant construction, equipment, operation, and maintenance. Prerequisite: 5100.
- 6110. PUBLIC SCHOOL FINANCE.** (3-3-0). Fiscal program of the public school; local, state, and federal taxes; budgeting; bond issues, formulas for distribution of school funds. Prerequisite: 5100.

- 6120. SCHOOL PERSONNEL ADMINISTRATION.** (3-3-0). Principles and practices of administration in selecting and retaining school personnel. Placement, job analysis and evaluation, salaries and salary schedules, fringe benefits, maintenance of morale. Prerequisite: 5100.
- 6130. SCHOOL LAW.** (3-3-0). Principles and practices of law applied to the public school, study of generic school law, and study of Louisiana school law. Prerequisite: 5100.
- 6140. SCHOOL COMMUNITY RELATIONS.** (3-3-0). Principles and practices of public relations in education, development of school and community understanding through interaction, utilization of community and human resources for improvement of public education. Prerequisite: 5100.
- 6150. SEMINAR IN EDUCATIONAL ADMINISTRATION.** (3-3-0). Readings and research in educational administration, with opportunities for members of the group to make individual investigation of special problems. Prerequisite: 5100.
- 6180. INTERNSHIP IN SCHOOL ADMINISTRATION/SUPERVISION.** (6-0-18). The individual according to area of specialization is provided practical experience by being assigned to a principal, supervisor, or superintendent, under supervision of a staff member from the University. The internship occurs over a significant portion of the school calendar, typically six months. Prerequisite: 5100, 6130, 5140 or 5350 or 5110 or written consent of department head and selected administrator; Education 5010.
- 6500. EDUCATIONAL TORT.** (3-3-0). Principles and practices associated with torts and strict liability as related to the operation of public school systems. The principle of strict liability will be applied to the school setting. Responsibility of both the individual and school administration will be considered.

EDUCATIONAL PSYCHOLOGY (EPSY)

For Undergraduates Only

- 3000. EDUCATIONAL PSYCHOLOGY AND STUDENT ASSESSMENT.** (3-3-1). Psychological principles of teaching and the educational process; nature of student appraisal and assessment; learning process including conditions which affect the learning process; basic assessment and learning theory; pertinent principles and facts of general psychology; and general introduction to personality adjustment/maladjustment of the child and adolescent. Includes field experience component. Prerequisite: Education 2020 or Music Education 2020 or consent of instructor.
- 3010. CHILD AND ADOLESCENT PSYCHOLOGY.** (3-3-0). Physical, mental, social-emotional development and behavior; personality development and/or adjustment/maladjustment emphasizing normal adjustment; motivation, interest, capacities with emphasis upon the developmental process of childhood and adolescence and general assessment of these areas. Students are required to participate in structured interpersonal development activities outside of class hours. Prerequisite: 3000, and for teacher education majors, admission to candidacy for a degree in teacher education.
- 3020. DEVELOPMENT IN EARLY CHILDHOOD AND ELEMENTARY SCHOOL.** (3-3-0). Theoretical and practical implications of developmental processes in early childhood and elementary school, including physical, cognitive, and social-emotional development; personality development and/or adjustment; exceptionalities with an emphasis on normal adjustment; and a general assessment of these areas. Prerequisite: EPSY 3000 and teacher candidacy.

- 3030. DEVELOPMENT IN MIDDLE SCHOOL AND HIGH SCHOOL.** (3-3-0). Theoretical and practical implications of developmental processes in middle school and high school, including physical, cognitive, and social-emotional development; personality development and/or adjustment; exceptionalities, with an emphasis on normal adjustment; and a general assessment of these areas. Prerequisite: 3000; admission to teacher candidacy.

For Undergraduates and Graduates

- 4400. STATISTICS FOR PSYCHOLOGY AND EDUCATION.** (3-2-1). Statistical procedures as applied to psychological and educational research and measurement. Laboratory experience in the use of SPSS or other statistical software packages. Prerequisite: 3000 or Psychology 1010.
- 4420. EVALUATION AND REPORTING IN EDUCATION.** (3-3-0). Basic principles of measurement and analysis of human traits – ability, achievement, sociometric status; uses, misuses, interpretation of tests, rating scales; group and individual discussion of evaluation results with pupils and parents. Prerequisite: 3000 or Psychology 1010.

For Graduates Only

- 5010. EDUCATIONAL RESEARCH AND EVALUATION.** (3-3-0). Qualitative and quantitative approaches to organization, design, implementation and interpretation of empirical research in behavioral sciences; preparation of research proposals; evaluation of proposals and reports. Prerequisite: admission to graduate study; 4400 or consent of instructor. (Same as Education 5010).
- 5370. BEHAVIORAL MANAGEMENT AND MODIFICATION.** (3-2-1). Principles and application of behavior modification techniques to learning, behavior, and emotional problems in the school setting. Prerequisite: six hours educational psychology or equivalent.
- 5410. PSYCHOLOGY OF LEARNING AND TEACHING.** (3-3-0). Theories and principles of learning and teaching; applications to human training and education. Prerequisite: consent of instructor.
- 5460. DYNAMICS OF HUMAN GROWTH AND DEVELOPMENT.** (3-3-0). Principles of developmental psychology; integrated nature of growth and lifespan development; dynamics of human development in the social context; topics of interest to professionals working with individuals or groups on a regular basis. Prerequisite: 3010.
- 5470. SEMINAR IN EDUCATIONAL PSYCHOLOGY.** (1 to 3-1 to 3-0). May be repeated for credit. Reading and research on topics and issues in educational psychology. Prerequisite: 5410, 5460, Education 5010, or consent of the instructor.
- 5480. DYNAMICS OF DEVELOPING LEARNERS.** (3-2-1). Application of theoretical practices and current research related to teaching, classroom organization/management and assessment; dynamics of child/adolescent development/psychology related to instructional strategies and the diverse learner. Includes field experience component. Prerequisite: Enrollment in the PREP program. Corequisite: EDUC 5630 and 5640.
- 5490. EDUCATIONAL PSYCHOLOGY APPLIED TO TEACHING.** (3-2-1). Application of theoretical practices and current research related to teaching, classroom organization/management and assessment; dynamics of child/adolescent development/psychology related to instructional strategies and the diverse learner. Includes field experience component. Prerequisites: Admission to graduate school and admission to an alternate post-baccalaureate certification program.

- 5520. ANALYSIS OF THE INDIVIDUAL.** (3-2-1). Techniques and materials available for study of the individual; interpretation and synthesis of individual inventory data and their application to the counseling process. Prerequisite or corequisite: 4400 or consent of instructor.
- 6420. ANALYSIS OF VARIANCE.** (3-2-1). Characteristics of normal distribution; sampling theory; analysis of variance decision theory. Prerequisite: 4400 or equivalent.

EDUCATIONAL TECHNOLOGY (ETEC)

For Undergraduates and Graduates

- 4810. INTRODUCTION TO COMPUTERS IN EDUCATION.** (3-3-0). A computer literacy course designed to introduce the use of the computer as an instructional tool, management tool, and personal productivity tool for the teachers. Topics include hardware/software selection, CAI, CMI, application software, programming, legal, and ethical issues regarding computer use in education. Prerequisite: admission to teacher candidacy, teacher certification, or consent of instructor.
- 4820. EVALUATION AND USE OF COMPUTERS IN EDUCATION.** (3-1-4). Use and evaluation of popular computer technology in education and teaching; hardware and software evaluation and use; concepts and terminology; input and output devices; systems design; systems support; CAI; CMI; ACA. Prerequisites: 4810 or equivalent; teaching experience; an undergraduate methods course or consent of instructor.
- 4830. INTRODUCTION TO EDUCATIONAL PROGRAMMING.** (3-3-0). An overview of popular educational programming languages such as Logo, BASIC, and Pascal will be used to teach program design, syntax, editing, and documentation. Additional topics include instructional strategies and the development of programming activities for the classroom. Prerequisite: Education 4810, admission to teacher candidacy, teacher certification; or consent of instructor.
- 4840. EDUCATIONAL TELECOMMUNICATIONS, NETWORKS, AND THE INTERNET.** (3-3-0). The planning, development, and implementation of educational networks, Internet, and telecommunications.
- 4850. TECHNOLOGY TO SUPPORT STANDARDS-BASED TEACHING AND LEARNING.** (3-3-0). Applications of information technology networking to support preservice and inservice instruction in standards-based curricular areas for elementary, middle, and secondary school personnel. Prerequisite: 4810 or consent of instructor.

For Graduates Only

- 5700. TECHNOLOGY LEADERSHIP IN SCHOOLS.** (3-3-0). Selecting, organizing, and using major types of instructional technology and equipment in various school curricula and educational programs.
- 5710. PROFESSIONAL DEVELOPMENT FOR K-12 TECHNOLOGY INTEGRATION.** (3-3-0). Practical applications and methods of using technology to enhance the classroom learning environment.
- 5730. INSTRUCTIONAL TELEVISION IN EDUCATION.** (3-3-0). An analysis of instructional television and telecommunications applications in the classroom; implementation of telecourses and programs. Theory and practice in production of telecourses for live and interactive application of instructional settings.
- 5750. DESIGN AND PRODUCTION OF INSTRUCTIONAL MATERIALS.** (3-3-0). A review of instructional design and exercises in the development of video, computer-assisted instruction, and multimedia projects.

- 5760. DESIGN AND DEVELOPMENT OF MULTIMEDIA INSTRUCTIONAL UNITS.** (3-3-0). Continuation of 5750. Hardware/software operation, hypercontrol of computer generated graphics and sound, interactive video, scanned graphics, and CD-ROM. Prerequisite: 5750 or consent of instructor.
- 5770. ADVANCED TELECOMMUNICATIONS AND DISTANCE LEARNING.** (3-3-0). The impact of technology and technology transfer on the traditional and electronic classroom; current trends and uses that extend the classroom beyond traditional boundaries. Prerequisite: 5700.
- 5780. TECHNOLOGY PLANNING AND ADMINISTRATION.** (3-3-0). The management of an educational media/technology program including problems of selection, training, production, distribution, and financing of center operations. Prerequisite: 5700.
- 5790. EDUCATIONAL TECHNOLOGY, RESEARCH, EVALUATION, AND ASSESSMENT.** (3-3-0). Evaluating the effectiveness of technology and technology-facilitated learning in classes and programs.
- 6000. RESTRUCTURING EDUCATION THROUGH TECHNOLOGY.** (3-3-0). Overview of trends in technology, schools and training programs of the future, and human-technology interface. Emphasis on leadership and effective implementation of educational change through technology.
- 6010. PRACTICUM IN RESTRUCTURING EDUCATION THROUGH TECHNOLOGY.** (3-3-0). Intensive directed working relationship with a field supervisor/administrator identified as a leader in incorporating educational technology. Weekly seminars via Internet, conference calls, and satellite teleconferences. Prerequisite: 6000.
- 6030. COGNITION AND TECHNOLOGY.** (3-3-0). Understanding human cognition change; implications for theory, practice, and research in educational technology.
- 6040. INSTRUCTIONAL DESIGN AND TECHNOLOGY.** (3-3-0). Analysis of educational goals objectives and their facilitation through instructional design and technology. New organizing principles for instruction. Contemporary research in instructional design, cognition, and innovation.
- 6450. SEMINAR IN CURRENT RESEARCH IN TECHNOLOGY.** (3-3-0). Issues, research, and movements affecting contemporary practice in instructional technology.

ELECTRONICS ENGINEERING TECHNOLOGY (EET)

For Undergraduates Only

- 1300. ELECTRICAL PRINCIPLES I.** (3-3-0). Principles governing current, voltage, resistance and power in DC circuits. Series parallel, and series-parallel circuits. Network theorems. Prerequisite: credit for or registration in 1301 and Mathematics 1810 or equivalent.
- 1301. ELECTRICAL PRINCIPLES I LABORATORY.** (1-0-2). Prerequisites: credit for or registration in 1300, 1311.
- 1311. ELECTRONIC FABRICATION LABORATORY.** (1-0-2). Fabrication techniques for analog and digital circuits. Device symbols and markings, soldering, antistatic techniques, measurement, testing and troubleshooting.
- 1320. ELECTRICAL PRINCIPLES II.** (3-3-0). Alternating current. Capacitors, inductors, and impedance. AC circuit analysis theorems and techniques. Prerequisite: 1300-1301, credit for or registration in 1321; Mathematics 1810.
- 1321. ELECTRICAL PRINCIPLES II LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 1320.

- 1330. DIGITAL ELECTRONICS I.** (3-3-0). Logic function, logic gates, number systems and conversions, Boolean algebra, logic simplification, combinational circuits, programmable logic devices, and flip-flops. Analysis and design of basic digital logic circuits. Prerequisites: 1300-1301, credit for or registration in 1331.
- 1331. DIGITAL ELECTRONICS I LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 1330.
- 2320. BASIC ELECTRONICS.** (3-3-0). Principles of semiconductor devices and circuits. Design and analysis of diode and bipolar junction transistor in switching and amplifier circuits. Prerequisite: 1320-1321, credit for or registration in 2321.
- 2321. BASIC ELECTRONICS LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 2320.
- 2340. MICROCOMPUTERS.** (3-3-0). Computer overview with emphasis on hardware. The basic components of a microcomputer system, microprocessor basics, memory, secondary storage, input and output devices, operating systems, networks, and security. Prerequisite: Computer 1020 or permission of the instructor.
- 2360. ELECTRIC GENERATORS, MOTORS, AND TRANSFORMERS.** (3-3-0). Principles of magnetism and electromagnetic circuits. Transformer principles. AC and DC generators and motors-single phase, three phase, and synchronous machines. Prerequisite: 1320-1321, credit for or registration in 2361, Physics 2040.
- 2361. ELECTRIC GENERATORS, MOTORS, AND TRANSFORMERS LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 2360.
- 2920. SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of special problems in engineering technology. Individual or small group work. Prerequisite: credit for or registration in 2320-2321 and consent of instructor.
- 3310. DIGITAL ELECTRONICS II.** (3-3-0). Programming and applications of programmable logic devices, sequential networks, state machine analysis and design, memories, integrated circuit technologies. Introduction to microprocessors and interfacing. Prerequisite: 1330-1331, 2320-2321, credit for or registration in 3311.
- 3311. DIGITAL ELECTRONICS II LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 3310.
- 3340. ADVANCED ELECTRONICS.** (3-3-0). Advanced semiconductor devices. Power amplifiers, Class A, B, and C amps, and the emitter follower. JFET and MOSFET devices and circuits, differential and operational amplifiers. Prerequisite: 2320-2321, credit for or registration in 3341.
- 3341. ADVANCED ELECTRONICS LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 3340.
- 3360. INSTRUMENTATION AND CONTROL.** (3-3-0). Transducers, signal conditioning, open and closed loop control. Proportional, derivative, and integral control modes. Analog-to-digital and digital-to-analog conversion. Analysis and design of control systems. Prerequisite: 1320-1321, Math 2010 or Math 2020, and credit for or registration in 3361.
- 3361. INSTRUMENTATION AND CONTROL LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 3360.
- 4300. MICROPROCESSOR FUNDAMENTALS.** (3-3-0). Microprocessor architecture, programming, and interfacing. Topics include addressing modes, instruction set, I/O operations, interrupts, timing, memory, peripheral interface devices, microprocessor system design, and an overview of advanced microprocessors. Prerequisite: 3310-3311, Computer Science 1060, credit for or registration in 4301.
- 4301. MICROPROCESSOR FUNDAMENTALS LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 4300.
- 4310. COMMUNICATION ELECTRONICS.** (3-3-0). Principles of filters and oscillation. Active and passive filters and oscillator circuits. Principles of AM, FM, and PM transmitters, and receivers. Phase Locked Loops. Prerequisite: 3340-3341, Physics 2040, credit for or registration in 4311.
- 4311. COMMUNICATION ELECTRONICS LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 4310.
- 4350. AUTOMATION AND CONTROL.** (3-3-0). Programmable logic controllers, microcontrollers, and robots. Prerequisite: 3360-3361, credit for or registration in 4351.
- 4351. AUTOMATION AND CONTROL LABORATORY.** (1-0-2). Prerequisite: credit for or registration in 4350.
- 4360. WIRELESS COMMUNICATIONS SYSTEMS.** (3-3-0). Overview of communications with emphasis on wireless communications. Cellular and PCS communication systems, microwave and satellite systems, LMDS, wireless LAN, antennas and advanced topics in fiber optic communication systems. Prerequisites: credit for 4310-4311, 4390, credit for or registration in 4361.
- 4361. WIRELESS COMMUNICATIONS SYSTEMS LABORATORY.** (1-0-2). Laboratory course to accompany EET 4360. Prerequisite: credit for or registration in 4360.
- 4390. DIGITAL COMMUNICATIONS.** (3-3-0). Digital and data communications and transmission, protocols and standards, local and wide area networks, multiplexing, satellite and fiber optic communications. Prerequisites: 3310-3311, 4310-4311.
- 4920. ADVANCED SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of advanced special problems in engineering technology. Individual or small group work. Prerequisite: credit for or registration in 3340-3341 and consent of instructor.
- 4940. PROJECT DESIGN I.** (2-2-0). Principles of project management and engineering economics. Development of proposals for senior design project. Prerequisites: English 3230 or IET 3720 and senior status or consent of the instructor.
- 4950. PROJECT DESIGN II.** (2-0-0). This is a capstone course. Students will independently design (including specifications), construct, and test an approved electronics project within budget and on schedule. Students will prepare a written project report and give an oral presentation. Prerequisites: 4940.

ENGLISH (ENGL)

For Undergraduates Only

Placement in Freshman English is based on ACT scores.

- 0920. BASIC COMPOSITION AND GRAMMAR.** (3-3-0). Refresher course; practice in short units of writing and drill in fundamentals of grammar, punctuation, and spelling. Grade of C or higher required to advance to English 1010.
- 1010. COMPOSITION AND RHETORIC I.** (3-3-0). The short paper; rhetoric, with emphasis on writing.
- 1020. COMPOSITION AND RHETORIC II.** (3-3-0). Writing the longer paper; diction, style, analysis and interpretation of collateral readings leading to the composition of the research paper. Prerequisite: 1010.
- 2050. MAJOR BRITISH WRITERS.** (3-3-0). Works of the most significant writers in English literature. Prerequisite: 1020.
- 2060. MAJOR AMERICAN WRITERS.** (3-3-0). Works of the most significant writers in American literature. Prerequisite: 1020.

- 2070. MAJOR WRITERS IN WORLD LITERATURE.** (3-3-0). Homer to Cervantes exclusive of English and American literature. Prerequisite: 1020.
- 2080. MAJOR WRITERS IN WORLD LITERATURE.** (3-3-0). Moliere through Solzhenitzen, including Goethe, Flaubert, Dostoyevsky, Camus and others. Prerequisite: 1020.
- 2090. INTRODUCTION TO POETRY WRITING.** (3-3-0). Introduction to the major forms and conventions of contemporary American poetry and practice in composing original poems based on models. (Cannot be substituted for core undergraduate English curriculum requirements.) Prerequisite: ENGL 1010, 1020.
- 2100. INTRODUCTION TO SHORT FICTION WRITING.** (3-3-0). Introduction to the basic techniques and practices of short story writing.
- 2510. ARGUMENTATIVE WRITING.** (3-3-0). Study of classical and contemporary argumentative techniques and strategies. Practice in writing and researching different types of arguments. Prerequisite: 1020.
- 2610. INTRODUCTION TO ANALYTICAL WRITING.** (3-3-0). Study and practice in rhetorical analysis, causal analysis, and researched writing. Focused exercises in critical reading and writing. Prerequisite 1020.
- '3100. SURVEY OF AMERICAN LITERATURE I: BEGINNINGS TO 1865.** (3-3-0). A survey of American literature from its beginnings to 1865.
- '3150. SURVEY OF AMERICAN LITERATURE II: 1865 TO PRESENT.** (3-3-0). A survey of American literature from 1865 to present.
- '3160. SURVEY OF BRITISH LITERATURE I: BEGINNINGS TO 1800.** (3-3-0). Survey of British literature from its beginnings to the end of the 18th century.
- '3170. SURVEY OF BRITISH LITERATURE II: 1800 TO PRESENT.** (3-3-0). A survey of British literature from 1800 to the present.
- '3200. ADVANCED GRAMMAR.** (3-3-0). Advanced grammar, structure, and syntax of the English language as spoken and written today.
- '3210. ADVANCED COMPOSITION.** (3-3-0). Forms of composition. Reading and analysis of non-fiction.
- '3230. TECHNICAL COMPOSITION.** (3-3-0). Form and techniques of writing for science, industry, and related fields.
- '3300. INTRODUCTION TO CREATIVE WRITING.** (3-3-0). To acquaint students with potential future in creative writing and to begin development of their talents.
- '3400. GREEK DRAMA AND MYTH.** (3-3-0). Readings in translation of Aeschylus, Sophocles, and Euripides, encompassing the content and style of selected plays as well as the mythological bases of drama.
- '3850. SPECIAL TOPICS.** (3-3-0). May be repeated for credit when the topic varies.
Subtitles:
01-Black American Literature
03-Supernatural
04-Women in Literature
06-Detective Fiction
07-Anglo-Irish
08-Film and Narrative
09-Science Fiction
12-Genres of American Folk Culture
13-Tragic Tradition in Western Drama
- '3900. DIRECTED READING.** (3-3-0).
- 4050. SENIOR SEMINAR.** (3-3-0). A survey of periods and genres and an intensive study of nine works.
- 4080. WRITING AS A PROFESSION.** (3-3-0). Capstone course for writing majors, surveys professional, scholarly, and creative writing, along with relevant markets for each.
- 4170. EARLY MODERN ENGLISH DRAMA.** (3-3-0). A survey of major English Renaissance playwrights, excluding Shakespeare. Prerequisites: Junior standing and completion of 1010, 1020, and at least one literature survey course.
- 4690. CONTEMPORARY SOUTHERN LITERATURE.** (3-3-0). Focuses upon trends in Southern writing from 1950 to the present, an era of unprecedented growth and development in the Southern tradition.

For Undergraduates and Graduates

- '4000. HISTORY OF THE ENGLISH LANGUAGE.** (3-3-0). Development; change since the Anglo-Saxon period; present-day usages and vocabulary.
- '4040. ADVANCED TECHNICAL REPORT WRITING.** (3-3-0). Focused study and practice in preparing corporate reports, feasibility studies, proposals, and professional articles.
- 4060. ADVANCED FICTION WRITING.** (3-3-0). A writing workshop devoted to advanced narrative techniques. Prerequisite: For undergraduates ENGL 2100 and completion of core requirements in communication (ENGL 1010, ENGL 1020), and at least one core literature (ENGL 2050, 2060, 2070, or 2080).
- 4070. CREATIVE NONFICTION WRITING.** (3-3-0). Introduction to the history, forms, and techniques of creative nonfiction writing, including practice in composing the short personal essay, nature/science writing essay, and memoir. Prerequisite: For undergraduates completion of core requirements in communication (ENGL 1010, ENGL 1020), and at least one core literature (ENGL 2050, 2060, 2070, or 2080).
- 4090. ADVANCED POETRY WRITING.** (3-3-0). Intensive study and practical application of the essential elements of writing poetry and instruction in composing the longer poetic genres (lyric sequence, chapbook, book). Prerequisite: ENGL 2090. (Prerequisite for undergraduates: ENGL 2090 and completion of core requirements in Communications; ENGL 1010, 1020, and at least one core literature: English 2050, 2060, 2070, or 2080).
- '4100. LANGUAGE IN SOCIETY.** (3-3-0). Regional and social variation in language use, diglossia, language and culture, ethnography and language planning.
- '4110. FUNDAMENTALS OF LINGUISTICS.** (3-3-0). Historical, geographical, and structural linguistics. (Same as Anthropology 4160).
- '4130. CHAUCER.** (3-3-0). Major works; *The Canterbury Tales*; cultural, intellectual, and historical backgrounds.
- '4140. MEDIEVAL LITERATURE.** (3-3-0). Study of the major works of Middle English literature, excluding Chaucer.
- 4160. LANGUAGE AND GENDER.** (3-3-0). This course examines the connections between human gender and communication with emphasis upon socio-linguistic analysis. The course will include a survey of pertinent research from the beginning of linguistic studies regarding gender and communication to current research in the field. Prerequisite: Junior standing; completion of sophomore level core requirements in English.
- '4190. SHAKESPEARE.** (3-3-0). Comedies, histories, and tragedies; Shakespeare's development and the period in which he wrote.

- 4200. SEVENTEENTH-CENTURY ENGLISH LITERATURE.** (3-3-0). A survey of seventeenth-century English prose, poetry, and drama through the English revolution, focusing on the relation between history and literature.
- 4250. EIGHTEENTH-CENTURY BRITISH LITERATURE.** (3-3-0). A study of the prose and poetry of Dryden, Pope, Swift, Johnson, and some minor writers.
- 4260. MILTON.** (3-3-0). Major works; *Paradise Lost* and selected prose.
- 4310. THE ROMANTICS.** (3-3-0). Major Romantic poets including Wordsworth, Coleridge, Byron, Shelley, and Keats.
- 4330. THE VICTORIANS.** (3-3-0). Victorian poetry; Tennyson, Browning, and the Pre-Raphaelites.
- 4350. THE ENGLISH NOVEL TO 1800.** (3-3-0). Classic forms of the novel – epistolary and picaresque – beginning in the 18th century and ending with Austen's novel of manners.
- 4360. THE ENGLISH NOVEL SINCE 1800.** (3-3-0). The English novel since the Industrial Revolution; George Eliot, Butler, and Hardy to Joyce and Woolf. The novel as a document of social change and commentary.
- 4400. MODERN DRAMA AS LITERATURE.** (3-3-0). A study of modern drama, beginning with Henrik Ibsen and ending with August Wilson (emphasizing American dramatists).
- 4420. LITERARY CRITICISM.** (3-3-0). Evolution of critical theory; literary periods from Greek through 20th century British and American.
- 4440. AMERICAN POETS.** (3-3-0). American poetry from the colonial period through Whitman to modern; development of the distinctive American voice in poetry.
- 4490. AMERICAN RENAISSANCE.** (3-3-0). Essays and short fiction of mid-19th century American prose writers, especially Emerson, Thoreau, and Hawthorne.
- 4570. THE AMERICAN NOVEL TO 1900.** (3-3-0). Major themes in development from the early republic through the flowering of New England (Melville, Hawthorne).
- 4590. THE MODERN AMERICAN NOVEL.** (3-3-0). Works of the most significant novelists; style, theme, and development; Steinbeck, Hemingway, Faulkner, and others.
- 4620. RHETORICAL THEORY: THE CLASSICAL AGE.** (3-3-0). The development of composition and rhetorical theory from Classical Greece and Rome.
- 4630. MODERN RHETORICAL THEORY.** (3-3-0). Composition and rhetorical theory from the 18th century to the present.
- 4640. CONTEMPORARY COMPOSITION THEORY.** (3-3-0). New directions in theory and practical application to composition and literature.
- 4650. THE SOUTHERN RENAISSANCE.** (3-3-0). Flowering of literary culture in the South from 1920-1950. Addresses the fiction of authors of the era; poetry and criticism of the Agrarian and Fugitive movements; trends in the novel, short fiction, and drama of the Southern regional tradition.
- 4660. SYNTACTICAL THEORIES.** (3-3-0). Traditional structural, transformational, and current theories applied to composition.
- 4670. FOLKLORE.** (3-3-0). Development of folklore in America; effects of regionalism upon it.
- 4680. RHETORICAL THEORY: POST-CLASSICAL TO MODERN.** (3-3-0). Survey of rhetorical theory and practice from medieval times through the end of the 18th century.
- 4740. COMPUTERS AND COMPOSITION.** (3-3-0). Examines the use of various applications of computer technology, including computer conferencing, word processing, hypermedia, and the Internet, to the teaching of composition.

- 4750. SEMINAR: MAJOR AUTHORS.** (3-3-0). Intensive study of a major figure, emphasizing representative works and critical responses to those works. May be repeated for credit as topic varies. Prerequisite: junior standing.
Subtitles:
01-O'Neill
02-Tennessee Williams
- 4800. PRINCIPLES OF LITERARY RESEARCH.** (3-3-0). Methods and techniques.
- 4900. ENGLISH INTERNSHIP.** (3-0-6). For English majors. Prerequisite: junior standing, nine hours of English beyond the sophomore level, and consent of instructor. Six hours of practicum per week.

¹ All sophomore courses in English, required in any curriculum, must be completed before entry into an advanced English course.

For Graduates Only

The specific field of study in the following courses is determined by the instructor. Texts and subjects are changed at the discretion of the instructor.

- 5010. OLD ENGLISH.** (3-3-0).
- 5020. AMERICAN RENAISSANCE.** (3-3-0). Consists primarily of essays and short fiction of mid-19th Century American prose writers, especially Emerson, Poe, Thoreau, Fuller, Hawthorne, Stowe, and Melville.
- 5030. NATIONAL WRITING PROJECT SUMMER INSTITUTE.** (6-24-0). Intensive seminar in the practice and teaching of writing. Particular emphasis is placed on both writing and teaching as processes, as well as on the effective use of the Writer's Workshop model.
- 5050. QUALITATIVE RESEARCH METHODS FOR LANGUAGE AND COMMUNICATION STUDIES.** (3-3-0). Introduces and examines commonly accepted procedures and epistemological foundations for qualitative research in language and communication studies such as participant observation, interviewing, and ethnography. Both doing and reporting qualitative research studies will be stressed.
- 5090. MEDIEVAL THROUGH 18TH CENTURY RHETORIC.** (3-3-0). Survey of rhetorical theory from medieval times through 1700s. Application of theories to scholarship in the history of rhetoric and the teaching of writing.
- 5100. STUDIES IN MEDIEVAL LITERATURE.** (3-3-0).
01-Chaucer
02-Medieval Romances
- 5150. STUDIES IN RENAISSANCE LITERATURE.** (3-3-0).
Subtitles:
01-Shakespeare's Tragedies
02-Shakespeare's Comedies
03-Shakespeare
04-Non-dramatic Literature
- 5200. STUDIES IN THE 17th CENTURY.** (3-3-0).
Subtitles:
01-Milton
02-Poetry
03-Prose
04-Drama
- 5210. MODERN AND CONTEMPORARY LITERARY THEORY.** (3-3-0). Designed to follow "Literary Criticism," English 5500, "Modern and Contemporary Literary Theory" will explore important post-1960's texts and their background sources.
- 5230. ADVANCED TECHNICAL WRITING AND EDITING.** (3-3-0). Practice and theory of technical writing and editing, organization, presentation and style of reports, articles, etc. that emerge in technical fields.

- 5240. PRINCIPLES OF SECOND LANGUAGE LEARNING AND SECOND LANGUAGE INSTRUCTION.** (3-3-0). Examine a number of second language learning/teaching paradigms and focus on the changing forms and functions of methodology and technique as the emphasis of language pedagogy has shifted from teacher directed, drill and pattern practice to learner focused, task based instruction.
- 5250. STUDIES IN THE 18th CENTURY.** (3-3-0).
Subtitles:
01-Essays, Poetry and Drama
02-Novels
03-Special Topics
- 5260. CLASSICAL RHETORIC.** (3-3-0).
- 5270. CONTEMPORARY RHETORIC.** (3-3-0).
- 5280. GENERAL COMPOSITION THEORY.** (3-3-0).
- 5290. STRUCTURAL VARIANCE IN COMPOSITION.** (3-3-0).
- 5300. STUDIES IN THE 19th CENTURY.** (3-3-0).
Subtitles:
01-The Romantics
02-The Victorians
03-Novel since 1800
04-Special Topics
- 5350. STUDIES IN THE 20th CENTURY.** (3-3-0).
Subtitles:
01-Novels
02-Poetry
03-Drama
04-Reading Film and/as Literature
- 5400. STUDIES IN AMERICAN LITERATURE I.** (3-3-0).
Subtitles:
01-Colonial
02-Nationalism and Romanticism
03-Poetry
04-Novels
05-Drama
- 5450. STUDIES IN AMERICAN LITERATURE II.** (3-3-0).
Subtitles:
01-Rise of Realism
02-Modern
03-Poetry
04-Novels
05-Drama
06-African-American
- 5500. STUDIES IN LITERARY CRITICISM.** (3-3-0).
- 5550. PROBLEMS IN CREATIVE WRITING.** (3-3-0).
- 5560. SOUTHERN WOMEN WRITERS.** (3-3-0). A focus on the tradition of Southern fiction as demonstrated in selected writings by Southern women authors.
- 5570. SOUTHERN LITERATURE BEFORE 1920.** (3-3-0). Provides introduction to Southern Literature written prior to 1920. The Literature of the American South prior to 1920 includes a wide variety of diaries, political documents, poetry, drama, and fiction. The course will also focus on a genre of literature, the Humor of the Old Southwest.
- 5580. FOLKLORE OF THE SOUTHERN UNITED STATES.** (3-3-0). Introduces folklore of major folk groups in the southern United States including Anglo-American, Afro-American, Native American, French and Spanish. Emphasis placed on verbal lore such as folk language, proverbs, tales, songs, legends, and myths.
- 5590. CONTEMPORARY SOUTHERN LITERATURE.** (3-3-0). Focuses upon trends in Southern writing from 1950 to the present, placing particular emphasis on the pivotal forms of this era, the novel and short story. Addresses contemporary critical and theoretical methodologies as aids in reading contemporary Southern texts.
- 5600. USES OF FOLK MATERIALS IN TEACHING.** (3-3-0). Basic concepts and materials of folklore; analysis of folk materials as resources for instruction. Folk materials as a resource for writing.
- 5700. PROBLEMS IN BLACK ENGLISH AND NON-STANDARD DIALECTS.** (3-3-0). Technical description of non-standard dialects of American English, especially Black English; pedagogical application to teaching of the standard dialect and of literary skills.
- 5710. LOUISIANA FICTION.** (3-3-0). Representative 20th Century Louisiana writers of fiction such as George Washington Cable, James Aswell, Robert Penn Warren, Lafcadio Hearn, Shirley Ann Grau, Kate Chopin, Lyle Saxon, Ernest Gaines, and Arna Bontemps.
- 5720. HISTORY, THEORY, AND PRACTICE OF PUBLIC FOLKLORE.** (3-3-0). Provides introduction to history, theory, and practice of public folklore programming. Examines applied folklore projects in national, state, and regional contexts while encouraging students to develop expertise in specific areas of public folklore such as publication, audio/video documentation, crafts, exhibits, education and festivals. Prerequisite: undergraduate or graduate level introduction to folklore. (Same as Anthropology 5720).
- 5721. INTERNSHIP IN PUBLIC FOLKLORE.** (3-0-0). Internship in Public Folklore. Seventeen hours per week and completion of a project defined by Director of the Louisiana Folklife Center. Possibilities include but are not limited to editing Louisiana Folklife, coordinating major components of Natchitoches/Northwestern State University Folk Festival, completing surveys of folk cultural resources, writing and coordinating grants, and helping develop small community folk cultural events such as silent exhibits and folklore performances. Prerequisites: 5600 (or approved senior/graduate folklore course) and 5720.
- 5800. BIBLIOGRAPHY AND LITERARY RESEARCH.** (3-3-0).
- 5900. SPECIAL PROBLEMS IN RESEARCH.** (1 to 4-3-0). A maximum of three hours of credit may be applied toward a degree.
- 5980. THESIS.** Maximum, six hours.

ENVIRONMENT (ENVR)

For Undergraduates Only

- 2000. CONSERVATION AND MANAGEMENT OF NATURAL RESOURCES.** (3-3-0). Course design is to familiarize students with the breadth of the earth's resources, natural and man mediated changes in these resources, and steps necessary for remediation due to the impact of man. Prerequisite: Science 2020 or Biology 1020 or Botany 2100. Students are required to attend a Saturday field trip during the semester.
- 2030. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Fundamental principles of Geographic Information Systems (GIS), including components of a GIS, data availability and format, data models, map projections, georeferencing, and image classification. Prerequisite: satisfactory completion of the mathematics core (six hours). Corequisite: enrollment in 2031.
- 2031. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-3). Computer exercises on various topics in GIS. Corequisite: enrollment in 2030.

2040. **APPLICATIONS OF GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Advanced principles of Geographic Information Systems (GIS), examples of specific applications of GIS, remote sensing imagery. Prerequisite: satisfactory completion of the mathematics core (six hours), satisfactory completion of 2030, 2031. Corequisite: enrollment in 2041.
2041. **APPLICATIONS OF GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-3). Computer exercises on various topics in GIS. Corequisite: enrollment in 2040.

FAMILY AND CONSUMER SCIENCES (FACS)

For Undergraduates Only

1010. **BEGINNING CLOTHING CONSTRUCTION.** (3-1-4). Construction of apparel. Fabric and style selection, fitting and alterations.
1041. **FOOD PREPARATION EXPERIENCES.** (1-0-2). Principles of food preparation with emphasis on applied laboratory experiences. Focuses on food experiences for young children. Prerequisite: for departmental majors only.
1070. **PROFESSIONAL FAMILY AND CONSUMER SCIENCES.** (1-1-0). Introduction to roles and responsibilities of the professional in early childhood care and education, Fashion Merchandising, Housing and Interiors, Consumer Services, and Hospitality Management and Tourism. For majors only.
1120. **SOCIAL AND BUSINESS ETIQUETTE.** (1-1-0). Fundamental social concepts relative to the home, society, business and the world.
2010. **FOOD SCIENCE.** (3-1-4). Principles of food cookery.
2030. **TEXTILES.** (3-3-0). Production, selection, use, and care of textile fibers and fabrics; laboratory.
2050. **FOOD SERVICE LAYOUT, EQUIPMENT SAFETY AND SANITATION.** (3-3-0). Characteristics and policies of food service facilities including layout, design, selection, operation, safety, sanitation, and care of equipment.
2060. **PSYCHOLOGICAL AND SOCIOLOGICAL INFLUENCES OF DRESS.** (3-3-0). Focuses on the psychology, social implications and physiological aspects of appearance as related to the life stages in a multi-cultural society. Includes elements of design and consumer clothing considerations.
3020. **PARENTING.** (2-2-0). Parenting is designed to provide students with experiences that clearly demonstrate the importance of the role of the parent and their effect on healthy human development and behavior. Prerequisite: sophomore standing.
3030. **INDIVIDUAL AND FAMILY MANAGEMENT.** (3-3-0). Focus on family systems theory; principles and techniques for utilizing resources to meet personal and family goals. Prerequisite: junior standing.
3050. **MEAL MANAGEMENT.** (3-1-4). Planning, preparing and serving food for family groups and modes of living; special occasion meals on different income levels; management and work simplification. Prerequisites: Nutrition 1020 or 1030, Family and Consumer Sciences 2010 or consent of instructor.
3070. **QUANTITY COOKERY.** (3-1-4). Food production in quantity; menu planning for institutions; food service; use of equipment. Prerequisite: 3050.
3090. **HOUSING.** (3-3-0). Environmental, interpersonal, psychological, and socioeconomic factors involved in housing decisions. Housing needs of low income, elderly, and handicapped. Prerequisite: Junior standing.
3100. **HOME FURNISHING.** (3-3-0). Houses, house plans and furnishings; making and adapting house plans; furnishings from artistic and economic points of view. Prerequisite: Junior standing.
3170. **INTERMEDIATE COUTURE CLOTHING CONSTRUCTION.** (3-3-0). Couture techniques and work with specialty fabrics. Familiarization with equipment used for advanced construction techniques. Prerequisite: 1010 or satisfactory score on placement exam.
4010. **PERSPECTIVES IN FAMILY AND CONSUMER SCIENCES.** (1-1-0). Preparation for making the transition from student to professional. (For seniors only).
4050. **HISTORY OF COSTUME.** (3-3-0). The study of dress and adornment of the historical periods of western civilization. Important periods of costume of western civilization; their relationship to life of the times and their importance in evolution and inspiration of modern dress. Prerequisite: 2030 or consent of instructor.
4080. **CONSUMER PROBLEMS.** (3-3-0). Buying problems; principles of purchasing household commodities. Prerequisite: junior standing.
4110. **SPECIAL PROBLEMS IN FAMILY AND CONSUMER SCIENCES.** (1 to 3-3-3). Individual and class study of specialized problems; for advanced students who are interested in and have a need for work in a particular area of family and consumer sciences.
4130. **SPECIAL PROBLEMS IN FAMILY AND CONSUMER SCIENCES.** (3-1-4). Physical principles, construction, materials, and economic considerations underlying selection, use and care of household equipment with special application to small equipment.
4160. **FAMILY DEVELOPMENT.** (3-3-0). Concepts of family systems theory as applied to relationships in family living over the life cycle. Prerequisite: Junior standing.
4260. **GOURMET FOODS.** (3-1-4). Historical background of sectional foods in the U.S. and foreign foods; creativity in food preparation; enhancing appearance and taste of dishes for family or quantity food service; preparation and service. Prerequisite: 2010, 3050, and three hours of nutrition.
4500. **FIELD EXPERIENCE.** (4 to 12-0-0). Controlled work experience in the student's area of concentration, designed by host organization and instructor to blend theory and practice. A minimum of 30 hours of employment required for each hour of credit earned. Periodic evaluations, special projects and a summary report. Prerequisite: Junior standing or consent of instructor.

For Graduates Only

5000. **FOUNDATIONS OF FAMILY AND CONSUMER SCIENCES.** (3-3-0). Orientation to graduate study in family and consumer sciences and introduction to research, including appropriate conceptual and theoretical frameworks. Should be taken during the first semester of graduate study in family and consumer sciences.
5030. **SPECIAL STUDIES IN FOODS AND NUTRITION.** (3-3-0). Recent scientific advances in this field; demonstrations and new techniques applicable in teaching.
5040. **PROBLEMS IN FAMILY AND CONSUMER SCIENCES.** (1 to 3-0-0). Special problems in family and consumer sciences, selected in accordance with needs of student.
5080. **CLOTHING – ITS SOCIAL AND PSYCHOLOGICAL ASPECTS.** (3-3-0). Theory and research concerning clothing as a factor in the physical, social and psychological environment of man; man's response to and use of clothing as an aspect of individual behavior and culture.

- 5120. SUPERVISION OF FAMILY AND CONSUMER SCIENCES.** (3-3-0). Objectives, techniques, and evaluation of supervision of instruction in family and consumer sciences. For experienced teachers interested in supervising student teachers, or in working with family and consumer sciences teachers in-service. (Same as Education 5120.)
- 5140. PHILOSOPHY OF FAMILY AND CONSUMER SCIENCES.** (3-3-0). Historical developments relative to family and consumer sciences as a field; conceptual framework on which the field is based; problems and trends in family and consumer sciences.
- 5980. THESIS.** (1 to 6-0-0). Same as Early Childhood Education 5980.

FINANCE (FIN)

For Undergraduates Only

- 2150. PERSONAL FINANCE.** (3-3-0). Financial planning, budgeting, managing income, taxes, sources of credit, risk management and insurance, personal investing and buying a home or car.
- 3090. BUSINESS FINANCE.** (3-3-0). Financial statement analysis, working capital management, time value of money, capital structure, leverage, cost of capital theory and concepts, capital budgeting, pro forma statements and analysis, and securities valuation. Prerequisite: ACCT 2010.
- 3100. MONEY AND BANKING.** (3-3-0). Origin, development, and functions of money; basic monetary theory, financial institutions of the U.S. and how they affect the volume of spending. (Same as Economics 3100.) Prerequisites: Economics 2000 and 2010.
- 3130. PRINCIPLES OF INSURANCE.** (3-3-0). Nature, business and personal uses, regulations, provisions and coverage of life, health, home, auto liability and transportation insurance. Prerequisite: junior standing or consent of instructor.
- 3150. REAL ESTATE.** (3-3-0). Nature and principles of real estate: interests, ownership, legal descriptions, encumbrances, transfer of titles, financing, brokerage, appraisal, contracts and legal aspects, and licensing laws and regulations. Prerequisite: junior standing or consent of instructor.
- 3160. REAL ESTATE APPRAISAL I.** (3-3-0). Principles and concepts of real estate valuation, value theory, and professional standards and methodology. Prerequisite: junior standing or consent of instructor.
- 3170. REAL ESTATE APPRAISAL II.** (1-1-0). Principles, theories, and approaches to appraising rural property. Includes determination of property values, data collection, appraisal of selected rural properties and case studies. Corequisite: 3160.
- 3320. LIFE, ACCIDENT, AND HEALTH INSURANCE.** (3-3-0). Principles of personal and business life, accident and health insurance: types of policies, contract provisions, premiums, policy selection, underwriting, employee benefit plans, and the organization, management and regulation of insurance companies. Prerequisite: junior standing or consent of instructor.
- 4020. FINANCIAL MARKETS AND INSTITUTIONS.** (3-3-0). This course provides an understanding of the role of financial institutions in the economy and how they operate. Topics include financial markets and instruments, regulation of financial institutions, loan analysis, securitization of asset portfolios, and the management of deposits. Prerequisites: 3090 and 3100.

- 4050. INTERNATIONAL FINANCE.** (3-3-0). This course examines the principles of international trade, foreign exchange markets, and international operations. Topics include comparative advantage, balance of payments, currency derivatives, international banking, and financial statements. Prerequisites: FIN 3090, 3100 and BUAD 3270.
- 4120. PRINCIPLES OF INVESTMENTS.** (3-3-0). Types of securities; money markets and capital markets; security analysis; portfolio management. Prerequisites: 3090, Economics 2000, 2010.
- 4150. PORTFOLIO MANAGEMENT.** (3-3-0). This course focuses on analytical methods of evaluating assets for inclusion in a portfolio. Financial assets are analyzed on an individual basis and in relationship to other assets in order to determine efficient risk and return tradeoffs. Prerequisites: 3100 and 4120.
- 4200. FINANCIAL POLICIES AND PRACTICES.** (3-3-0). Application of financial management principles to situations involving decisions with emphasis on financial analysis using problems and cases. Prerequisite: 3090 and junior standing.

FINE ARTS (FA)

For Undergraduates Only

- 1040. EXPLORING THE ARTS.** (3-3-0). The fine arts (music, visual art, drama, and dance) as they relate to the human experience. Related subjects such as film and architecture will also be discussed.

FORESTRY (FOR)

For Undergraduates Only

- 1110. INTRODUCTION TO FORESTRY.** (3-3-0). Applied forestry; dendrology, mensuration, management and simple surveying problems.
- 2150. DENDROLOGY.** (2-2-0). Principal trees of Southeast U.S.; identification and distribution; introduction to keys. Prerequisite: registration in or credit for 2151.
- 2151. DENDROLOGY LABORATORY.** (1-0-2). Field identification of trees of Southeast U.S. Prerequisite: registration in or credit for 2150.

FRENCH (FREN)

For Undergraduates Only

- 1010. INTRODUCTION TO FRENCH.** (3-3-0). Grammar; vocabulary; idioms; formation and recognition of tenses; reading in French; oral and aural comprehension; translation into French and English. Designed for beginners.
- 1020. INTRODUCTION TO FRENCH.** (3-3-0). Continuation of 1010. Formation and recognition of verb tenses; speed and accuracy of translation; idioms; aural and oral comprehension; translation into French and English. Prerequisite: 1010.
- 2010. INTERMEDIATE READING IN FRENCH.** (3-3-0). Prose readings; rapid and accurate translation; vocabulary building. Prerequisite: 1010, 1020.
- 2020. INTERMEDIATE CONVERSATIONAL FRENCH.** (3-3-0). Concentrated practice of oral skills. Prerequisite: 2010.
- 2030. ADVANCED GRAMMAR.** (3-3-0). Principles of grammar. Tenses, irregular verbs, idioms, special problems of vocabulary. For majors and minors. Prerequisite: 2010.

2050. **INTRODUCTION TO FRENCH LITERATURE.** (3-3-0). Passages that are mature in style and meaningful in content, involving French civilization and culture. Designed to develop rapid reading and interpretation of the written language and appreciation of style and content.
2100. **FIELD STUDY.** (3 to 9-0-0). Intermediate level.
2990. **DIRECTED READING.** (3-3-0). For students pursuing a French minor. May not be repeated. Does not satisfy 12 semester hours foreign language requirement.
3010. **FRENCH CULTURE AND SOCIETY.** (3-3-0). Readings in contemporary aspects of French culture.
3020. **CONVERSATION AND COMPOSITION.** (3-3-0). Vocabulary, oral practice, aural comprehension; class reading and discussion; memorization of selected poems.
3040. **PHONETICS.** (3-3-0). Analysis of separate sounds with oral practice in class, oral readings for intonation and rhythm; drill in phonetic transcription and reading.
3060. **HISTORY OF FRENCH LITERATURE.** (3-3-0). From earliest times through the 18th century; collateral readings and reports in French.
3070. **HISTORY OF FRENCH LITERATURE.** (3-3-0). The 19th and 20th centuries; collateral readings and reports in French.
3100. **FIELD STUDY.** (3 to 9-0-0). Advanced study.
4030. **SEVENTEENTH CENTURY CLASSICAL DRAMA.** (3-3-0). Classical movement in French literature; the theater; plays of Corneille, Racine, and Moliere.
4090. **TWENTIETH CENTURY FRENCH DRAMA.** (3-3-0). Literary movements within the theater from the beginning of the 20th century to the present.
4100. **FIELD STUDY.** (3 to 9-0-0). Advanced literature.

For Graduates Only

5000. **FUNDAMENTALS OF READING FRENCH.** (3-3-0). Review of grammatical and rhetorical principles and of basic vocabulary necessary for reading fluency. Credit earned from this course cannot be counted toward the completion of any degree.

GEOGRAPHY (GEOG)

For Undergraduates Only

1010. **WORLD REGIONAL GEOGRAPHY-THE DEVELOPED WORLD.** (3-3-0). A comprehensive examination of Europe, Russia, North America, East Asia, and Australia/New Zealand utilizing the geographic perspective to understand the special combination of cultural, organizational and environmental properties of each region and how these qualities are imprinted on the landscape.
1020. **WORLD REGIONAL GEOGRAPHY-THE DEVELOPING WORLD.** (3-3-0). A comprehensive examination of Middle and South America, Africa, Southwest Asia, South Asia, and Southeast Asia utilizing the geographic perspective to understand the special combination of cultural, organizational and environmental properties of each region and how these qualities are imprinted on the landscape.
2010. **PHYSICAL GEOGRAPHY.** (3-3-0). Introduction to an investigation of the locational aspects of natural earth phenomena (i.e., phenomena not produced or primarily controlled by humans) including earth-sun relations, weather and climate, surface features (landforms and water bodies), natural vegetation, soils, and ecosystems.

2020. **CULTURAL GEOGRAPHY.** (3-3-0). An examination of the historical development, visual character, representation and continuing evolution of the diverse cultural landscapes and behavioral patterns of the world. Special attention is paid to the relationship between those landscapes and the people who have created them. These relationships are viewed within a variety of frameworks such as cultural regions, cultural elements and diffusion, population movement and migration, and the spatial patterns of language, religion, and social problems.
2030. **INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Fundamental principles of Geographic Information Systems (GIS), including components of a GIS, data availability and format, data models, map projections, georeferencing, and image classification.
2031. **INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-3). Laboratory to accompany Introduction to Geographic Information Systems. Computer exercises on various topics in GIS. Corequisite: enrollment in GEOG 2030.
2040. **APPLICATIONS OF GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Advanced principles of Geographic Information Systems (GIS), examples of specific applications of GIS, remote sensing imagery, different GIS systems. Prerequisite: satisfactory completion of the mathematics core (6 hours), satisfactory completion of GEOG 2030/2031. Corequisite: enrollment in GEOG 2041.
2041. **APPLICATIONS OF GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-3). Laboratory to accompany Applications of Geographic Information Systems. Computer exercises on various topics in GIS. Corequisite: enrollment in GEOG 2040.

For Undergraduates and Graduates

3030. **GEOGRAPHY OF AFRICA.** (3-3-0). A regional survey of Africa's unique physical geography as well as the diverse cultural landscapes of the continent. The continent's complex political, social, economic, and historical geography are explored. The continent is examined particularly with regard to its important status in the global economy and in relation to the many problems that shadow the African world. Prerequisite: GEOG 1010, 1020, or consent of instructor.
3050. **GEOGRAPHY OF NORTH AMERICA.** (3-3-0). A regional survey of North America. The course emphasizes not only the physical environment, but also the historical, cultural, economic, and political evolution of the region. Prerequisite: 1010, 1020 or consent of instructor.
3060. **GEOGRAPHY OF EUROPE.** (3-3-0). A regional survey of Europe's natural and cultural landscapes, with special attention to recent political, economic, and social changes. The region is examined not only with respect to internal dynamics, but also to its position in international relations. Prerequisite: 1010, 1020 or consent of instructor.
3080. **GEOGRAPHY OF LATIN AMERICA.** (3-3-0). A regional survey of Latin America's diverse natural and physical environment as well as the region's complex political, economic, and historical geography. The region is examined particularly with regards to its important status in relation to the United States and the global economy. Prerequisite: GEOG 1010, 1020, or consent of instructor.
4070. **THE SOUTHERN UNITED STATES.** (3-3-0). The natural environment, resources, settlement, land use, industrial development, and regional organization of the American South. Prerequisite: Geography 1010 or 1020 or permission of the instructor.

GEOLOGY (GEOL)

For Undergraduates Only

- 1030. PHYSICAL GEOLOGY.** (3-3-0). Nature and structure of materials of the earth; processes which shaped or are shaping the earth. Prerequisite: registration in or credit for 1031. (Students may not receive credit for both Geology 1030 and Science 2030.)
- 1031. PHYSICAL GEOLOGY LABORATORY.** (1-0-3). Rocks and rock-forming minerals; topographic maps, aerial photographs, and geologic structures. Prerequisite: registration in or credit for 1030.
- 1040. HISTORICAL GEOLOGY.** (3-3-0). Origin and geological history of the earth and development of its animal and plant inhabitants revealed in rocks and fossils. Prerequisites: registration in or credit for 1041, 1030-1031.
- 1041. HISTORICAL GEOLOGY LABORATORY.** (1-0-3). Identification and morphology of common fossils; geologic maps, folios, and structure sections. Prerequisite: registration in or credit for 1040.
- 3010. INVERTEBRATE PALEONTOLOGY.** (3-3-0). Classification, structure, distribution, and evolution of invertebrates; typical fossils. Prerequisites: registration in or credit for 3011, 1040-1041, Biology 1020-1021 is advised.
- 3011. INVERTEBRATE PALEONTOLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 3010.
- 3020. SEDIMENTOLOGY.** (3-3-0). Classification, composition, texture, structure, and genesis of sedimentary rocks; shape, mineralogical and chemical analysis of sediments. Prerequisites: registration in or credit for 3021.
- 3021. SEDIMENTOLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 3020.
- 3040. STRUCTURAL GEOLOGY.** (3-3-0). Origin, description, and classification of the earth's major structures and their economic significance. Prerequisites: registration in or credit for 3041; 1040-1041; Mathematics 1090 is advised.
- 3041. STRUCTURAL GEOLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 3040.

For Undergraduates and Graduates

- 4040. INTRODUCTION TO GEOPHYSICS.** (3-3-0). Magnetic, gravitational, seismic, electrical and radioactive properties of the earth and their application in science and industry. Prerequisites: registration in or credit for 4041, 1040-1041; Physics 2040-2041 or 2520-2521.
- 4041. INTRODUCTION TO GEOPHYSICS LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 4040.

For Graduates Only

- 5000. PRINCIPLES OF GEOLOGY FOR SCIENCE TEACHERS.** (3 to 4-0-0). Earth in the solar system; nature of materials composing the earth; processes which have shaped and are shaping the earth; rocks, minerals, soils, fossils; topographic features and their origin; origin and economic significance of rock structures; origin and geological history of the earth; evolution of animals and plants; topographic and geological maps and aerial photographs. Prerequisite: registration in or credit for 5001.
- 5001. PRINCIPLES OF GEOLOGY FOR SCIENCE TEACHERS LABORATORY.** (1 to 2-0-0). Prerequisite: registration in or credit for 5000.

¹ Not more than four hours of credit may be applied to requirements for the M.A. in Ed., M.Ed., or M.S. in Ed. degrees. Only eight hours of science courses bearing the number 5000 may be applied to the above mentioned degree.

GERMAN (GERM)

For Undergraduates Only

- 1010. INTRODUCTION TO GERMAN.** (3-3-0). Vocabulary building; grammar; reading prose; written exercises, pronunciation, diction, memory work; oral and aural practice; German civilization.
- 1020. ELEMENTARY GERMAN.** (3-3-0). Continuation of 1010. Prerequisite: 1010.
- 2010. READINGS IN PROSE AND POETRY.** (3-3-0). Selections of moderate difficulty. Prerequisite: 1020.
- 2990. DIRECTED READING.** (3-3-0). For students pursuing a German minor. May not be repeated. Does not satisfy 12 semester hour foreign language requirement.
- 3010. LITERARY PROSE.** (3-3-0). Readings from short stories, prose, drama, and novels; lectures on German literature.
- 3030. CONVERSATIONAL GERMAN.** (3-3-0). Elementary conversation, composition and grammar. Prerequisite: 2010 or consent of instructor.
- 4010. ADVANCED LITERARY PROSE.** (3-3-0). Readings from short stories, novels, and prose drama. Prerequisite: 3010 or consent of instructor.
- 4050. GERMAN CULTURE AND CIVILIZATION.** (3-3-0). German historical, political, social, and artistic development from Germanic times to the present.

HEALTH EDUCATION (HED)

For Undergraduates Only

- 1010. FIRST AID AND CPR.** (2-0-2). First aid measures for injuries and sudden illnesses; general safety education, accident causes and remedial action. CPR certification is available for students completing requirements.
- 1090. PERSONAL AND COMMUNITY HEALTH.** (3-3-0). Basic health information for intelligent self-decisions regarding healthy behaviors; physiological and psychological effects of substances such as drugs, tobacco smoking, and alcohol; sexuality and other critical personal issues; psychosocial and environmental aspects of community health.
- 2000. INTRODUCTION TO HEALTH EDUCATION.** (3-3-0). Overview of health education with emphasis on health behavior and delivery of health education in school, community, and corporate settings; exploration of career opportunities and basics of program development.
- 2010. BASIC ATHLETIC TRAINING.** (3-3-0). Prevention and rehabilitation of athletic injuries; conditioning; bandaging and taping; diet; massage; use of hydrotherapy and cryotherapy and other modalities in the treatment of injuries. Prerequisite: 1010.
- 2030. PRACTICUM IN ATHLETIC TRAINING.** (2-0-10). Practical experience in NSU Athletic Training room; set-up of equipment, materials and supplies; first aid, taping and bandaging, and rehabilitation of athletic injuries. Prerequisite: 2010.
- 3000. COMMUNITY HEALTH PROMOTION.** (3-3-0). The study of the structure and function of community health. Discussion of critical health problems of public concern, fundamentals of epidemiology, community health planning, and identification and use of official and voluntary agencies and resources.
- 3010. ADVANCED ATHLETIC TRAINING.** (3-3-0). Continuation of 2010. Advanced discussion and techniques of assessment and rehabilitation; modalities and protocols for treating injuries; conditioning. Prerequisites: 2010 and 2030.

3110. **DRIVER EDUCATION AND TRAFFIC SAFETY.** (3-2-2). Materials and methods for instruction, organization and administration of driver education; traffic problems, and safety programs. (For education majors only.)
3160. **HEALTH EDUCATION FOR ELEMENTARY CLASSROOM TEACHERS.** (2-3-0). Materials and methods for teaching health education in elementary schools. Prerequisite: admission to candidacy in teacher education.
4000. **HEALTH AND EXERCISE PSYCHOLOGY.** (3-3-0). Designed to provide students employed in health and wellness settings on understanding of the psychological and sociological factors affecting healthy lifestyle choices. Particular emphasis is placed on exercise adoption and adherence. Prerequisites: Health Education 1090 and junior or senior standing.
4030. **CLINICAL SPORTS MEDICINE.** (3-1-12). Clinical and practical experience working in NSU Athletic Training room, with orthopedic medical practice, and with registered physical therapist. Prerequisite: 3010 and consent of instructor.
4190. **PHYSICAL FITNESS FOR ADULTS.** (3-3-0). Practical application of the theory of exercise science aimed at adult populations in order to provide the student with sufficient background to develop and conduct fitness programs in a variety of settings. Prerequisite: Human Performance 3550, 3560.
4940. **SAFETY EDUCATION.** (3-3-0). Causes and prevention of accidents in home, school, traffic, industry, and recreational activities in the gymnasium, on the playground, and in aquatic sports; laws concerning legal liability; accident and liability insurance. Prerequisite: junior standing.
4950. **CURRICULUM INNOVATIONS AND INSTRUCTIONAL DEVICES IN DRIVER EDUCATION.** (4-2-4). Curriculum materials, instructional devices, and techniques including simulation, multi-media, driving range, on-street instruction, and motorcycle.

For Undergraduates and Graduates

4500. **SEXUALITY EDUCATION.** (3-3-0). Variety of topics in human sexuality; reflecting and evaluating values and attitudes about sexuality education.
4600. **DRUG AND ALCOHOL EDUCATION.** (3-3-0). Dissemination of current information related to legal and illegal drugs. Emphasis is placed on psychosocial issues associated with drug use and abuse; development of appropriate and effective instructional strategies for use by prospective and current teachers.
4880. **METHODS AND MATERIALS OF K-12 HEALTH EDUCATION.** (3-3-0). A study of up-to-date materials, methods, and strategies for health educators. Emphasis will be placed on planning, organization and the development of curricula and evaluative methods. Prerequisite: admission to teacher candidacy or teacher certification.

For Graduates Only

5100. **CURRENT HEALTH ISSUES.** (3-3-0). Historical and contemporary factors contributing to the development of Health Education and Health Promotion as complementary disciplines. Review of current research literature regarding the role of Health Education/Promotion in contributing to the nation's health.
5200. **HEALTH BEHAVIOR.** (3-3-0). Understanding the relationship between mental, emotional, and social health and behavioral change. The primary focus is on the psychological and sociological factors that affect life health choices and quality of life.

5300. **PLANNING AND ORGANIZING HEALTH PROMOTION PROGRAMS.** (3-3-0). Health promotion techniques and programs. Emphasis is given to examination of existing program models and the review of scientific literature concerning the planning and organization of health promotion.
5370. **PROBLEMS IN HEALTH EDUCATION.** (3-3-0). Health problems of communities and schools; examining and evaluating official and voluntary health agencies trying to solve or minimize problems; community-school cooperation through school-community health councils. Prerequisites: EPSY 4400, EDUC 5010.
5400. **IMPLEMENTING AND EVALUATING HEALTH PROMOTION PROGRAMS.** (3-3-0). Marketing of health promotion programs and development of evaluation protocols. Emphasis is placed on application of concepts, review and utilization of current research literature in the field. Prerequisite: 5300.
5500. **HEALTH AND PHYSICAL MANAGEMENT.** (3-3-0). Designed for teachers working with young children with special needs. A variety of topics related to the medical care and health maintenance of this age group, physical skill and nutritional concerns, and emergency medical techniques including CPR and basic first aid are discussed.
5980. **THESIS.** (3 to 6-0-0).
5990. **INTERNSHIP IN HEALTH PROMOTION.** (3-0-3). An on-site health promotion practicum in a corporate, community, hospital, or school setting that provides the student with practical experiences. Students will work under the supervision of a professional in their selected internship. Prerequisite: 24 hours of graduate degree courses including EDUC 5010.

HISTORIC PRESERVATION (HPRE)

For Undergraduates and Graduates

3150. **AMERICAN ARCHITECTURE BEFORE 1860.** (3-3-0). A survey of American architecture from the 17th century to the Civil War, with attention given to the relationships between social ideas, geographic locations and architectural styles. Emphasis is on stylistic trends as influenced by the European high style and architectural patternbooks; architects; and vernacular forms. Survey includes examples of local architecture.
3160. **AMERICAN ARCHITECTURE AFTER 1860.** (3-3-0). A survey of American architecture from 1860 to 1976, with attention given to innovations achieved through technological advancements in materials; and the architects who employed them. Emphasis is on patternbooks and kit catalogs. Building styles include skyscrapers, kit houses, and "plat" developments. Survey includes examples of local architecture.
3500. **THE HISTORY OF BUILDING TECHNOLOGY.** (3-3-0). Covers the basic principles of traditional American construction, from technologically changing ideas to terminology. Attention will be given to the evolution of framing, as influenced by stylistic or practical needs. The final weeks will focus on the physical conditions and structural plans of historic buildings, and on developing recommendations for their restoration.
4200. **MATERIALS CONSERVATION METHODS.** (3-1-4). An introduction to the variety of materials used in conservation and restoration projects, presented through lectures and hands-on laboratory experiments. Attention will be given to the history, tools, and preservation techniques of each material; and the composition, properties, and uses of each material will be addressed.

- 4300. RECORDING AND ANALYZING THE BUILT ENVIRONMENT.** (3-3-0). A studio course designed to provide practical experience in documenting the built environment. Instruction is given in architectural research, physical recording, measured drawings, site analysis, and national documentation. Case studies are employed within the town of Natchitoches or at Long Leaf, Louisiana.
- 4500. METHODS AND CONCEPTS OF HISTORIC PRESERVATION.** (3-3-0). A survey of historic preservation and the components used to examine the built environment. Students will achieve a basic understanding of architectural styles, traditional materials and construction, and the fundamentals of documenting the structures.
- 4900. SPECIAL PROBLEMS IN HISTORIC PRESERVATION.** (3-0-0). An independent study course designed to permit the student to conduct extensive research in a specialized area of preservation. Topic to be determined by student and instructor. Prerequisite: 4300.

HISTORY (HIST)

For Undergraduates Only

- 1010. EARLY WORLD CIVILIZATION.** (3-3-0). Earliest cultures to 1648, contributions of the Romans and the Christian Church, feudalism and rise of national states, the Renaissance and Reformation.
- 1020. MODERN WORLD CIVILIZATION.** (3-3-0). Since 1648; mid-19th century revolution; nationalism and political reorganization; social, economic and cultural developments, commercial rivalry and colonial expansion; the system of alliances, wars and readjustments.
- 2010. HISTORY OF THE UNITED STATES.** (3-3-0). Colonial foundations; movement for independence; early years of the Republic; national growth and expansion; sectionalism and the Civil War.
- 2020. HISTORY OF THE UNITED STATES.** (3-3-0). Reconstruction; industrial expansion and related problems; imperialism; World War I and aftermath; depression and New Deal; World War II; U.S. since the war.
- 2100. MILITARY HISTORY OF THE U.S.** (3-3-0). U.S. at war since the colonial beginnings. Inter-relationship of political, economic, social, and military factors. Evolution of U.S. armed forces as instruments of civilian authority. Theory and practice of warfare, strategy, and tactics. Prerequisites: 2010, 2020 or consent of instructor. This is not a core course and does not count toward the history major or minor.
- 3990. HISTORICAL METHODS.** (3-3-0). A general introduction to the nature and methods of history; the theory and practice of history with an emphasis on the latter. Prerequisites: six hours of survey level history or consent of instructor.

For Undergraduates and Graduates

- 3010. BIBLICAL HISTORY.** (3-3-0). Judaism and Christianity from Semitic background to fall of the Jewish state in A.D. 70. The Old Testament era; interbiblical period and early Christianity. Modern archeological discoveries; the Old Testament as a historical document. Prerequisites: 1010 and consent of instructor.
- 3040. HISTORY OF LOUISIANA.** (3-3-0). Discovery and exploration; French and Spanish colonial administration; early American period and emergence as a Southern state with emphasis on Louisiana's role in the antebellum South, Civil War, and Reconstruction; emergence of modern Louisiana.
- 3060. OLD SOUTH.** (3-3-0). Southern U.S. from colonial times to outbreak of Civil War; social, economic, and political development. Prerequisites: 2010, 2020.

- 3070. THE CONTEMPORARY SOUTH.** (3-3-0). South in the Nation; individualism of the region and component parts; economic, social and political problems since the Civil War. Prerequisites: 2010, 2020.
- 3080. ORAL HISTORY METHODS.** (3-3-0). Introduction to all aspects of oral history process including interview technique, transcription, and editing; develops critical judgment in evaluating oral testimony. Prerequisite: junior standing. Graduate students will do an additional paper.
- 3090. ANCIENT HISTORY.** (3-3-0). Civilization from beginnings in Egypt and Babylonia to collapse of the Roman Empire. Prerequisite: 1010.
- 3100. MEDIEVAL HISTORY.** (3-3-0). Europe from fall of the Roman Empire in the west to the Renaissance. Prerequisite: 1010.
- 3110. THE RENAISSANCE AND REFORMATION.** (3-3-0). Europe from mid-13th century through the Thirty Years' War; changing economic and political structure; intellectual and social impact of the Renaissance and the Protestant Revolt and counter Reformation. Prerequisites: 1010, 1020.
- 3120. HISTORY OF EUROPE (1648-1789).** (3-3-0). Wars of religion and the English revolutions; the age of Louis XIV; the Enlightenment. Prerequisites: 1010, 1020.
- 3140. THE AMERICAN WEST.** (3-3-0). Advancement of the Western Frontier from 1783 to 1890; Indian administration, fur trade, mining activities, and cattle industry; the West in the development of American institutions. Prerequisites: 2010, 2020.
- 3150. DISCOVERING AND INTERPRETING LOCAL HISTORY.** (3-3-0). Investigation and interpretation of the sources of local history; practical utilization. Prerequisite: consent of instructor.
- 3170. PROBLEMS IN HISTORIC AND CULTURAL PRESERVATION.** (3-3-0). Applied research in historic and cultural preservation and interpretation. Prerequisite: consent of instructor.
- 3220. MODERN FRANCE.** (3-3-0). The Legacy of the Great Revolution; political, social, and cultural history of France since 1815. The Bourbon Restoration, the July Monarchy, the Second Republic and Second Empire. Third, Fourth, and Fifth Republics. Prerequisite: History 1010, 1020, or consent of instructor.
- 3230. RECONSTRUCTION OF THE SOUTH (1865-1877).** (3-3-0). Inter-relationships of economic, political and social factors involved in reconstruction. Prerequisites: 2010, 2020 or consent of instructor.
- 3250. THE FRENCH REVOLUTION AND NAPOLEON.** (3-3-0). Revolutionary Europe from 1789 to 1815; political, economic, social and religious developments to 1799; consolidation of the Revolution under Napoleon and the European upheaval of war. Prerequisites: 1010, 1020 or consent of instructor.
- 3300. WOMAN IN THE MODERN WORLD.** (3-3-0). The political, economic and social aspect of woman's position and influence in modern western society; woman's struggles for personal and political rights. Prerequisites: 1020, 2020 or consent of instructor.
- 3400. THE CIVIL WAR, 1861-1865.** (3-3-0). Major campaigns, battles, and leaders of the War; domestic and foreign events related to the War. Prerequisites: 2010, 2020.

4070. **SLAVERY IN THE AMERICAS.** (3-3-0). A comparative survey of slavery in the western hemisphere. This course explores the various intellectual, social, political, legal, and economic factors that led to the creation and perpetuation of slave regimes throughout North and South America and the Caribbean basin. This course also addresses the mechanisms by which those slave regimes were destroyed. Prerequisite: 2010 or 3060 or consent of instructor.
4080. **SPECIAL PROBLEMS IN AMERICAN HISTORY.** (1 to 3-3-0). Prerequisites: major or minor in history; senior standing; consent of instructor.
4090. **SPECIAL PROBLEMS IN EUROPEAN HISTORY.** (3-3-0). Prerequisites: major or minor in history; senior standing; consent of instructor.
4140. **ANCIENT GREECE.** (3-3-0). Ancient Greek civilization from the Bronze Age through the Hellenistic Period. Prerequisite: 1010 or consent of instructor.
4150. **ROMAN REPUBLIC AND EMPIRE.** (3-3-0). Roman civilization from its legendary beginnings through the Republic and Empire, to the 'Fall of Rome' in AD 476. Prerequisite: 1010 or consent of instructor.
4310. **COLONIAL AMERICA (1492-1754).** (3-3-0). Discovery, exploration, and founding of the American colonies, colonial administration; development of American political and social institutions; intercolonial struggles for North America. Prerequisite: 2010.
4320. **REVOLUTIONARY AMERICA (1754-1783).** (3-3-0). French and Indian War, the British imperial system; the Revolutionary War, its causes and results. Prerequisite: 2010.
4330. **THE EARLY AMERICAN REPUBLIC (1783-1836).** (3-3-0). U.S. from the Revolution to 1836; the period of confederation; the constitution; political, economic, and social developments culminating in election of Jackson to the presidency. Prerequisites: 2010, 2020.
4340. **AMERICAN EXPANSION AND SECTIONAL CONFLICT (1837-1865).** (3-3-0). U.S. in mid-19th century; territorial expansion; political, economic, and social conflicts leading to the War Between the States. Prerequisites: 2010, 2020.
4350. **AMERICA IN TRANSITION (1877-1919).** (3-3-0). Emergence of modern industrialism; organization of farmers and laborers; the Progressive movement; neutrality; World War I and the Treaty of Versailles. Prerequisites: 2010, 2020.
4360. **THE UNITED STATES (1919-1945).** (3-3-0). The Republican era of the 1920s, the Great Depression; the New Deal; World War II. Prerequisites: 2010, 2020.
4380. **HISTORY OF EUROPE (1815-1870).** (3-3-0). End of the Napoleonic era; Congress of Vienna and the Congress system; revolutions of 1830 and 1848; unification of Italy and Germany. Prerequisites: 1010, 1020.
4390. **HISTORY OF EUROPE (1870-1918).** (3-3-0). Alliances; economic and political imperialism; World War I and its origins. Prerequisites: 1010, 1020.
4400. **TWENTIETH CENTURY EUROPE.** (3-3-0). Domestic policies; diplomacy, economic and cultural causes and effects of political events; trends and developments in Europe since 1918. Prerequisites: 1010, 1020.
4420. **HISTORY OF ENGLAND TO 1689.** (3-3-0). Formation of the English people and nation; early legal and constitutional development; struggle between King and Parliament; overseas expansion to the Glorious Revolution. Prerequisites: 1010, 1020 or consent of instructor.

4430. **HISTORY OF ENGLAND SINCE 1689.** (3-3-0). Consolidation of constitutional evolution; economic, political, and social revolutions of the 18th and the 19th centuries; colonialism and emergence of the Commonwealth of Nations; British role in international affairs of the 20th century. Prerequisites: 1010, 1020 or consent of instructor.
4440. **MODERN GERMANY.** (3-3-0). German institutions and their role in western civilization. German unification and the Second Reich; the First World War; the Weimar Republic; Hitler's Third Reich, the Holocaust, and post-World War II Germany. Prerequisites: 1010, 1020, or consent of instructor.
4450. **THE UNITED STATES SINCE 1945.** (3-3-0). American History since World War II; Cold War; social, economic, and political development of the nation. Prerequisite: 2010, 2020.

For Graduates Only

5010. **HISTORIOGRAPHY.** (3-3-0). Historical literature and philosophies of the Western World; the American scene; techniques of historical writing. Prerequisites: 2010, 2020 and consent of instructor.
5030. **SEMINAR IN DIPLOMATIC HISTORY OF THE UNITED STATES.** (3-3-0). Prerequisite: consent of instructor.
5100. **AMERICAN BIOGRAPHY.** (3-3-0). Representative Americans, their personalities, principles, policies, and influence on national and world thought and progress. Prerequisites: 2010, 2020.
5200. **SEMINAR IN LOUISIANA HISTORY.** (3-3-0). Prerequisite: consent of instructor.
5320. **SEMINAR IN EARLY AMERICAN HISTORY.** (3-3-0). Prerequisite: consent of instructor.
5340. **SEMINAR IN MIDDLE-PERIOD AMERICAN HISTORY.** (3-3-0). Prerequisite: consent of instructor.
5350. **SEMINAR IN CIVIL WAR AND RECONSTRUCTION.** (3-3-0). Prerequisite: consent of instructor.
5360. **SEMINAR IN RECENT AMERICAN HISTORY.** (3-3-0). Prerequisite: consent of instructor.
5400. **CASE STUDIES IN HERITAGE RESEARCH: A MULTIDISCIPLINARY APPROACH.** (3-3-0). The application of various research approaches to the study of heritage resources. A specific historical site or area will provide the focus of the semester's investigation. Prerequisite: graduate standing or consent of instructor.
5960. **INTERNSHIP IN CULTURAL RESOURCES MANAGEMENT/HISTORIC PRESERVATION.** (3 or 6-0-0). At least twenty hours per week working with a federal, state, local or private organization/agency in one of the following historic preservation/cultural resource management areas: archaeology, archives management, ethnohistory, ethnology, historical research. May be repeated for credit. No more than 6 hours can be applied toward a degree. Prerequisite: must have completed a minimum of 18 graduate hours in history and/or anthropology and permission of instructor.
5980. **THESIS.** (3 to 6-0-0).

HOSPITALITY MANAGEMENT AND TOURISM (HMT)

For Undergraduates Only

1000. **SURVEY OF HOSPITALITY AND TOURISM.** (3-3-0). An introduction to the structure, operation, operating realities and main characteristics and constraints of hospitality services.

- 2000. COMPUTER APPLICATIONS.** (3-3-0). Application of computer technology in the hospitality management and tourism industry, introduction to software packages available in the field. Prerequisite: 1000 or consent of instructor, Computer 1020.
- 2050. THE TRAVEL AGENCY.** (3-3-0). An examination of the service and functions of retail and wholesale travel agencies. Prerequisite: 1000 or consent of instructor.
- 2150. TRAVEL AND TOURISM.** (3-3-0). A focus on significant concepts, terminology, demographics, and trends and issues involved with the in-depth study of destination management. Prerequisite: HMT 1000 or consent of instructor.
- 2220. RECREATION AND ECOTOURISM.** (3-3-0). A study of the recreation industry, its interrelationship with preservation of natural resources and its implications for the ecotourism industry.
- 3000. LODGING MANAGEMENT.** (3-3-0). A systematic approach to lodging operations by detailing the flow of business through a lodging property, from the reservations process to check-out and settlement. Attention is given to the planning and evaluation of rooms division management and to human resources management. Prerequisite: 1000 or consent of instructor.
- 3020. FOOD AND BEVERAGE MANAGEMENT.** (3-3-0). Provides a basis for understanding the various challenges and responsibilities involved in managing a food and beverage operation. Focuses on guest expectations and gives an excellent overview of the food service industry, including automation, the nutrition concerns of today's guests, menu management, marketing, sanitation, and financial management. Prerequisite: 1000 or consent of instructor.
- 3080. INSTITUTIONAL ORGANIZATION AND MANAGEMENT.** (3-3-0). Principles applied to institutional administration; personnel management and business organization; accounting principles applied to school cafeterias, residence halls, and commercial food-service units. Prerequisite: Junior standing and HMT 1000 or consent of instructor.
- 3140. GLOBAL TOURISM.** (3-3-0). Focus on the economic, social, political, and environmental consideration of global travel. Destination development and key tourism issues will be explored. Prerequisite: HMT 1000 or consent of instructor.
- 3150. INTERNATIONAL STUDY TOUR.** (3-3-0). This course is a travel study, which is designed to acquaint the student with what it is like to be a tourist. Students will learn about major tourist attractions in Europe, economic development of tourism in the new European Union, differences in hospitality and tourism operations with their U.S. counterparts. Expenses incurred to be paid by participant. Prerequisite: HMT 1000 or consent of instructor. Course may not be taken in the same Spring of graduation.
- 4100. PROPERTY AND EQUIPMENT MANAGEMENT.** (3-3-0). Considers the engineering and maintenance needs of the hospitality/tourism industry, special emphasis on building environment and rehabilitation, mechanical and electrical equipment, utilities, and energy conservation management. Prerequisite: 1000 or consent of instructor.
- 4150. LEGAL ASPECTS OF HOSPITALITY/TOURISM MANAGEMENT.** (3-3-0). Laws and regulations in the hospitality industry and special emphasis on preventive legal management. Prerequisite: 1000 or consent of instructor.
- 4200. MARKETING HOSPITALITY MANAGEMENT AND TOURISM.** (3-3-0). Application of marketing principles to the hospitality/tourism industry. Plan and design a marketing strategy in an area of the field. Prerequisite: 1000 or consent of instructor.

- 4250. ENTERTAINMENT MANAGEMENT.** (3-3-0). A study of entertainment's relationship to the hospitality/tourism management of tourist resorts, practices and problems associated with the entertainment industry including staffing, security and control. Prerequisite: 1000 or consent of instructor.

HUMAN PERFORMANCE (HP)

Activity Courses

Limit repeats of Human Performance activity classes to one when the student has passed it the first time.

- 1120. BEGINNERS SWIMMING.** (2-0-3).
- 1130. BOWLING.** (2-0-3).
- 1180. GOLF.** (2-0-3).
- 1290. RACQUETBALL.** (2-0-3).
- 1330. SKIN AND SCUBA DIVING.** (2-0-3).
- 1370. TENNIS.** (2-0-3).
- 1510. VOLLEYBALL.** (2-0-3).
- 1550. WEIGHT TRAINING.** (2-0-3).
- 1580. FITNESS FOR LIFE.** (2-0-3).
- 1590. ADVANCED SCUBA DIVING.** (2-0-3).
- 1600. INTERMEDIATE SWIMMING.** (2-0-3).
- 1640. BEGINNING WATER EXERCISE.** (2-0-3).
- 1660. BEGINNING AEROBIC EXERCISE.** (2-0-3).
- 1670. INTERMEDIATE AEROBIC EXERCISE.** (2-0-3).

For Undergraduates Only

- 1110. PERSONAL FITNESS – LIFETIME SPORTS.** (2-2-1). Taking control of personal health and lifestyle habits; implementing a physical fitness program; attention given to cardiorespiratory endurance, muscle strength and endurance, body composition, flexibility, nutrition and weight control.
- 1620. PERSONAL SELF-DEFENSE.** (2-0-3). Beginning level self defense; offensive and defensive maneuvers; physiological components of martial arts training.
- 1630. BEGINNING KARATE.** (2-0-3). Instruction and practice in the basic techniques of Okinawan Karate and self-defense. Introduction of warm up exercises, stances, blocks, strikes, kicks, one step sparring, body hardening, formal exercises (kata) and various street oriented self-defense techniques. The course will also cover history, customs, and formalities as taught in Okinawa.
- 2000. INTRODUCTION TO FITNESS MANAGEMENT.** (3-3-0). Theories and practices related to the management of exercise programs in community and corporate settings. Prerequisite: Completion of ENGL 1010 and MATH 1020 (or first course in MATH sequence) with a grade of "C" or higher.
- 2010. FOUNDATIONS OF PHYSICAL EDUCATION.** (3-3-0). Introduction to the discipline and profession of physical education and sport; historical developments, philosophical views, issues and challenges confronting the profession; career roles for entering professional fields of physical education, sport, fitness. Prerequisite: Completion of ENGL 1010 and MATH 1020 (or first course in MATH sequence) with a grade of "C" or higher.
- 2070. WATER SAFETY INSTRUCTOR.** (2-1-2). Knowledge, skills, and techniques of teaching aquatic skills and safety; American Red Cross system of aquatic instruction; Red Cross WSI certification to qualified students. Corequisite: 2080, 3190, Aquatics. Prerequisite: Permission of instructor.

2080. **LIFEGUARDING.** (2-1-2). Knowledge, skills, rescue techniques, conditioning, preventive lifeguarding. Red Cross certification as non-surf lifeguard to qualified students. Corequisite: 2070, 3190, Aquatics. Prerequisite: Permission of instructor.
2110. **BASIC MOVEMENT AND RHYTHMICAL ACTIVITIES.** (2-1-2). Rhythmical activities appropriate for use in a school/community setting; teaching techniques in skill progression, lesson planning, class organization, and student evaluation. Designed primarily for Health and Human Performance majors.
2170. **TECHNIQUES OF AQUATICS.** (2-1-2). Knowledge, skills, and techniques of teaching aquatic skills and safety. Prerequisite: HP 1120 or HP 1600.
2230. **RECREATIONAL AND INNOVATIVE ACTIVITIES.** (2-1-2). Knowledge and skill development in a variety of recreational and nontraditional activities for use in school and community settings; teaching techniques applied to the activities presented. Designed primarily for Health and Human Performance majors.
2240. **INDIVIDUAL AND DUAL SPORTS.** (2-1-2). Knowledge and skill development in variety of individual and dual sports for use in school and community settings; teaching techniques applied to the activities presented. Designed primarily for Physical Education majors.
2270. **PHYSICAL FITNESS.** (2-1-2). Knowledge and skill development in a variety of physical fitness activities; teaching techniques for developing both health-related and skill-related components of fitness. Designed primarily for physical education majors.
2280. **TEAM SPORTS.** (2-1-2). Knowledge and skill development in a variety of team sports that can be used in school and community settings. Teaching techniques are applied to the team activities presented. Designed primarily for physical education majors.
2400. **FACILITATION OF CHALLENGE COURSE ACTIVITIES.** (2-1-2). Certification upon completion. Technical skills; course maintenance; practical experience in low elements, initiatives, high elements, facilitating groups, belaying, and managing simultaneous activities on the course.
2630. **MOTOR LEARNING AND DEVELOPMENT.** (3-3-0). Survey of changes in motor behavior over the lifespan, processes that underlie these changes, and factors affecting them; principles associated with learning and performing motor skills. Prerequisite: Zoology 1220.
2670. **INTRODUCTION TO GROUP FITNESS INSTRUCTION.** (2-3-0). Introduces concepts in basic exercise physiology, anatomy and kinesiology, nutrition and weight control, injury prevention, music selection, participant health screening, choreography and teaching exercise techniques. Designed to prepare students for national certification as a group aerobic/fitness instructor. Prerequisite: 1660, 1670, 1110, 2270, or permission of the instructor.
2680. **PRACTICUM IN GROUP FITNESS INSTRUCTION.** (2-1-2). Designed to give the student practical experience in teaching a variety of class formats for group fitness participants and experience with fitness testing procedures; application and review of material from Human Performance 2670.
3010. **TRACK COACHING METHODS.** (2-1-2). Form used in various track and field events; placement of participants in events; organizing and conducting meets; other coaching problems. Prerequisite: junior, senior classification.
3020. **BASEBALL COACHING METHODS.** (2-1-2). Coaching problems: team strategy, managerial problems, psychology of coaching, and methods of teaching skills and techniques. Prerequisite: junior, senior classification.
3050. **SOFTBALL AND VOLLEYBALL COACHING METHODS.** (2-1-2). Coaching problems: team strategy, managerial problems, psychology of coaching, methods of teaching skills and techniques. Prerequisite: junior, senior classification.
3170. **PHYSICAL EDUCATION FOR ELEMENTARY CLASSROOM TEACHERS.** (2-1-2). Examines the need for quality physical education instruction for elementary school children; attention given to program development and implementation of developmentally appropriate physical education activities. Prerequisite: admission to candidacy in teacher education.
3190. **TEACHING APPRENTICESHIP IN HEALTH AND PHYSICAL EDUCATION.** (1-0-2). For student assistants in skills techniques or first aid classes; planning, equipment and facility set-up, teaching and evaluating performance; under supervision of university instructor. Prerequisite: consent of HPER Department Head.
Subtitles:
01-aquatics
02-individual sports
03-team sports
04-fitness/lifetime sports
05-first aid/CPR
3200. **PRACTICUM IN COACHING.** (2-0-2). Supervised field based experience in area of coaching/sport studies interest. Open only to Health and Physical Education teaching majors and to students in teacher certification curricula. May be repeated one time. Prerequisite: Junior/senior classification, and must be enrolled as a full-time student.
3250. **STUDENT TEACHING/COACHING PRACTICUM.** (3-0-3). Supervised field based experience in area of coaching/sport studies interest while concurrently enrolled in student teaching. Open only to Health and Physical Education teaching majors and to students in teacher certification curricula.
3550. **APPLIED KINESIOLOGY.** (3-3-0). Basic scientific information needed for understanding human motion; concepts of motion practically applied to everyday motor tasks and sport skills. Prerequisites: Zoology 1220, 1221.
3560. **PHYSIOLOGY OF EXERCISE.** (3-3-0). Study of the physiological effects of exercise on the body; essential concepts and materials to assist the student in ensuring safe and sensible conduct of physical education, athletic, and/or physical fitness programs. Prerequisites: Zoology 1220, 1221, 1230, 1231, and junior/senior classification.
3561. **PHYSIOLOGY OF EXERCISE LABORATORY.** (1-0-2). Laboratory experiences in complement phenomena discussed in the lecture and text; testing the truth of classroom presentations, textbook readings, and theories; providing experience in the use of laboratory instruments. Prerequisites: Zoology 1220, 1221, 1230, 1231; junior-senior classification. Corequisite: 3560.
4010. **SECONDARY SCHOOL TEACHING METHODS IN PHYSICAL EDUCATION.** (3-3-2). Application of secondary physical education to the teaching process; emphasis on effective teaching strategies, classroom management, instructional clarity, observation and participation in a 30 hour field-based practicum. Prerequisite: Admission to candidacy in Teacher Education. Completion of EPSY 3010 with a grade of C or higher.
4060. **BASKETBALL COACHING METHODS.** (2-1-2). Styles of individual and team offense and defense; methods for teaching these skills; analysis of problems of coaching basketball. Prerequisite: junior, senior classification.

- 4160. FOOTBALL COACHING METHODS.** (2-1-2). Styles of offense and defense; fundamental team play; running, kicking, and passing games; offensive and defensive strategy; coaching problems. Prerequisite: junior, senior classification.
- 4190. PHYSICAL FITNESS FOR ADULTS.** (3-2-2). Practical application of the theory of exercise science aimed at adult populations in order to provide the student with sufficient knowledge to develop and prescribe appropriate exercise programs, and to assess individual levels of fitness. Prerequisite: 3550, 3560 and senior classification.
- 4200. PRACTICUM IN FITNESS MANAGEMENT.** (9-0-20). Designed to give the student supervised practical experience in community and corporate fitness management programs to include daily participation in the conduct of individual exercise prescription, evaluation and overall program development. Prerequisite: 4190.
- 4230. SPECIAL TOPICS IN FITNESS MANAGEMENT.** (3-3-0). An independent study allowing the student to conduct research in the area of fitness management. May be a special project or formal research paper. Corequisite: 4200. Prerequisite: 4190.
- 4300. RECREATIONAL SPORTS MANAGEMENT AND PROGRAMMING.** (3-3-0). Examination of theoretical foundations basic sport and family recreation programming skills and competencies, methods, and administrative/management/organizational techniques to deliver recreational programs within a variety of settings. Prerequisite: Second semester Junior or Senior classification.
- 4960. METHODS OF TEACHING ELEMENTARY/MIDDLE SCHOOL PHYSICAL EDUCATION.** (3-1-2). Teaching methodologies and materials utilized in elementary and middle school physical education; emphasis is directed toward observation, participation, and discussion of instructional practices. Prerequisite: admission to candidacy in teacher education.

For Undergraduates and Graduates

- 4000. INTRODUCTION TO ADAPTED PHYSICAL EDUCATION.** (3-3-0). This course provides both undergraduate students and graduate students in physical education with a basic knowledge of adapting the physical education curriculum to meet the individual needs of the students with motor developmental delays, other health impairments, and/or behavioral and emotional disorders.
- 4150. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION.** (3-3-0). Tests and measurements in the field of health and physical education in the motor, affective, and cognitive domains; practical experiences designed in test administration, scoring procedures, data analysis, and grading techniques. Prerequisite: Admission to Teacher Candidacy and junior or senior classification.
- 4210. BEHAVIORAL AND EDUCATIONAL DISABILITIES AND PHYSICAL EDUCATION.** (3-3-0). Physical education activities for the mentally disabled, emotionally disturbed, and learning disabled. Field experience required. Prerequisite: HP 4000 or permission of instructor.
- 4220. FITNESS PROGRAMMING FOR INDIVIDUALS WITH CHRONIC DISABILITIES.** (3-3-0). Designing developmentally appropriate fitness activities for those with neurological, orthopedic, and sensory disabilities. Field experience required. Prerequisite: HP 4000 or permission of instructor.

- 4240. PHYSICAL EDUCATION CURRICULUM FOR SPECIAL POPULATIONS.** (3-3-0). Curriculum development in physical education for all disabled individuals, including needs assessments, implementation, and evaluation. Prerequisite: HP 4000, 4210, and 4220, or permission of instructor.
- 4360. PSYCHOLOGY OF HUMAN MOVEMENT.** (3-3-0). Psychological factors that affect human movement and sport performance. Emphasis is on understanding psychological constructs related to performance and the development of psychological skills training programs. Prerequisite: Psychology 1010, or Educational Psychology 3000, or consent of instructor.
- 4500. FOUNDATIONS OF PHYSICAL EDUCATION.** (3-3-0). Facts pertaining to the physical, psychological, and social development of the individual; principles related to the role of physical education in present-day America; history of physical education. Prerequisite: senior standing.

For Graduates Only

- 5120. SPORTS MARKETING AND PROMOTION.** (3-3-0). Application of marketing principles, marketing management, and services marketing in a sports, health, and leisure activities context. Emphasis will be placed on the development skills as they relate to the management of sports and health related activities program.
- 5130. GOVERNING AGENCIES AND ETHICAL PRINCIPLES.** (3-3-0). An in-depth study of various governing agencies related to the administration and control of athletic competition; course provides information relative to the ethical principles, codes of conduct and official issues confronting personnel concerned with athletic competition.
- 5140. FACILITY DESIGN, EQUIPMENT, AND FACILITY/ EVENT MANAGEMENT.** (3-3-0). Planning and administration of sport facilities; including purchase, care and inventory of equipment. Course will examine fundamental concepts, theories, principles and procedures related to sport facility management, design and sports equipment.
- 5160. LEGAL ISSUES IN SPORT AND PHYSICAL EDUCATION.** (3-3-0). An in-depth study and analysis of legal concepts and their application to sports and physical education.
- 5190. HUMAN RESOURCE MANAGEMENT IN SPORTS.** (3-3-0). Application of management principles in a sports, health, and leisure activities context. Emphasis will be placed on the development of management skills and adapting them to the management of sports and health related activities and programs.
- 5220. BUDGETING AND PLANNING FOR SPORT AND LEISURE ENTERPRISES.** (3-3-0). Budgeting and planning aspects such as budget documents, budget preparation, analysis techniques, finance strategies, allocation of resources and other aspects specific to the successful operation of a sport and/or leisure enterprise.
- 5350. PROBLEMS IN PHYSICAL EDUCATION.** (3-0-0). Directed study of a selected problem (or problems) in physical education.
- 5430. TRENDS IN CURRICULUM AND INSTRUCTION.** (3-3-0). An examination of current curricular models in physical education and instructional strategies that ensure success. Curricular programs that support the national standards in physical education will be emphasized. Techniques for assessing learner progress (and the program) will be discussed.
- 5450. ADVANCED ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION.** (3-3-0). Theoretical insights and practical competencies that deal with physical education programs at the secondary school level.

- 5470. FITNESS PROGRAMMING FOR HEALTH PROMOTION SPECIALISTS.** (3-3-0). Basic physiological concepts as applied to exercise; exercise prescriptions for healthy and unhealthy populations; examination of current policies and procedures in fitness programming, as recommended by the American College of Sports Medicine.
- 5660. FITNESS AND TRAINING FOR HUMAN PERFORMANCE.** (3-3-0). Systematic training programs for practical application of strength, flexibility, and conditioning methods, also incorporates injury prevention and treatment techniques for physical educators. Prerequisite: teacher certification in P.E. or consent of instructor.
- 5690. RESEARCH PROJECT.** (3-0-0). A paper or project written as partial fulfillment of non-thesis masters program. Prerequisite: 12 hours of graduate degree courses including Education 5010.
- 5980. THESIS.** (3 to 6-0-0).
- 5990. FIELD STUDY.** (3-0-3). Internship in a school or a school/university system, professional sports organization, sports marketing firm, hospital wellness/fitness setting, wellness center, corporate wellness/fitness program, heart association, health spa, sport medicine clinic or a similar setting approved by the department head and major professor. Prerequisite: 24 hours of graduate degree courses including Education 5010.

HUMANITIES (HUM)

For Undergraduates and Graduates

- 4010. HEALTH AND HUMANITY.** (3-3-0). Interdisciplinary investigations of death and dying, the experience of illness, metaphors of health and disease, transcultural factors in health care, and stereotypes and health care. Prerequisite: junior standing.
- 4020. HUMAN VALUES AND HEALTH CARE.** (3-3-0). Interdisciplinary investigations of philosophical concepts of humankind, bioethics, historical issues of health care in America, and the holistic health movement. Prerequisite: junior standing.
- For Graduates Only
- 5010. GREAT IDEAS OF WESTERN CULTURE.** (3-3-0). Lectures and critical discussions of the foundational ideas of Western culture: God, nature, education, justice, freedom, science, democracy, truth; assignments from Plato, Machiavelli, James, Whitehead, and others. Prerequisite: 12 hours of social sciences.
- 5020. CLASSICAL AGE OF GREECE.** (3-3-0). An interdisciplinary study of Athens in the Classical Age of Greece (5th-4th centuries BCE). Students will study the rise and fall of this great power by looking through the eyes of such citizens as Aeschylus, Sophocles, Aristophanes, Thucydides, Plato, and Aristotle along with examining significant monuments from the art and architectural tradition.

INDUSTRIAL ENGINEERING TECHNOLOGY (IET)

For Undergraduates Only

- 1020. METALS TECHNOLOGY I.** (3-2-2). Basic tools, technology, and processing. Metals science, heat treating, sheet metal, bench metal, foundry practice, hand and basic machine tool operations; fasteners.

- 1400. TECHNICAL DRAFTING I.** (3-1-4). Introduction to drafting, with computer-aided drafting (CAD) applications. Orthographic projection, geometric construction, sectioning, dimensioning, auxiliary views, and text. Includes display and editing techniques as well as working with drawing files.
- 1420. BLUEPRINT READING.** (3-2-2). Technical and symbolic communication used on blueprints and working drawings.
- 1450. COMPUTER AIDED DRAFTING AND DESIGN.** (3-1-4). Introduction to microcomputer solutions to multiview and pictorial problems and exercises. Prerequisite: 1400.
- 1600. INTRODUCTORY WOODWORKING.** (3-1-4). Materials and processes; technical information regarding wood and related materials; hand and machine tools. Construction of a small furniture project using hand finishing techniques. No previous experience necessary.
- 1700. INTRODUCTION TO ENGINEERING TECHNOLOGY.** (1-1-0). Specific information for engineering technology students about degree requirements, scholastic resources, careers in engineering technology, job opportunities, academic skills for success in engineering technology, scholarship, and preparing for the future.
- 1800. OCCUPATIONAL SAFETY AND HEALTH.** (3-3-0). Principles and practices of accident prevention and safety program operation in industrial facilities and school laboratories; effective safety organization, management and supervision; teacher, administrator and management liabilities; Occupational Safety and Health Act (OSHA).
- 2020. METALS MACHINING I.** (3-2-2). Machine tool technology; operator control and computer numerical control (CNC) machining, computer-aided manufacturing (CAM), and production centers. Precision measurement and layout. Survey of nontraditional machining processes. Prerequisites: 1020, 2400.
- 2400. TECHNICAL DRAFTING II.** (3-1-4). Continuation of 1400, with intermediate CAD applications. Working drawings, limit dimensioning, threads and fasteners, secondary auxiliary views, descriptive geometry, assembly drawings, and production illustrations. Prerequisite: 1400.
- 2450. DESCRIPTIVE GEOMETRY.** (3-1-4). Space relations of points, lines, surfaces, intersections and developed surfaces. Prerequisite: 1400.
- 2600. WOODWORKING.** (3-1-4). Advanced hand skills, operation of woodworking equipment, care and sharpening of tools, construction and finishing of a furniture project, technological developments in the wood industry. Prerequisite: 1600.
- 2700. OCCUPATIONAL FIELD EXPERIENCE I.** (1-0-0). Work experience supervised by the student's departmental coordinator in related occupational areas. May be repeated. Prerequisite: consent of instructor and placement in related job.
- 2740. MATERIALS AND PROCESSES OF INDUSTRY.** (3-2-2). The science of industrial materials and the technology of materials processing. Plastics, metals, woods, plaster, fiberglass, rubber. Prerequisite: 1020.
- 2790. STATICS.** (3-3-0). Principles of statics, vector algebra and vector quantities. Resultants in coplanar force systems, equilibrium in coplanar force systems, analysis of structures, trusses, beams, chains and cables, friction, centroids and centers of gravity, moments of inertia. Prerequisite: Mathematics 1810, Physics 2030 or consent of instructor.

- 2830. ADVANCED INDUSTRIAL SAFETY ENGINEERING AND MANAGEMENT.** (3-3-0). Recognition and control of occupational safety and health hazards; human relations for safety; psychological considerations; human engineering; management and supervisory leadership. Prerequisite: 1800 or consent of instructor.
- 2840. DEVELOPMENT OF OCCUPATIONAL SAFETY AND HEALTH PROGRAMS.** (3-3-0). Programs for plants and systems operations; systems analysis. Comprehensive occupational safety and health programs developed by students. Prerequisite: 1800.
- 2920. SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of special problems. Individual or group independent work. Prerequisite: consent of instructor.
- 3010. GENERAL WELDING.** (3-1-4). Theory, operation, and safe use of welding equipment. Flat, horizontal, and vertical position welding; weld testing and metal cutting.
- 3150. FLUID POWER.** (3-2-2). Compressible and incompressible fluid statics and dynamics of industrial hydraulic and pneumatic circuits and controls. Software and functional components used to design, construct, and analyze piping circuits. Prerequisites: Physics 2030-2031 and Computer Science 1030 or 1060.
- 3410. ADVANCED CAD APPLICATIONS.** (3-2-2). Detail and assembly drawing; cams, gears, graphs; pipe, welding, and structural drafting; 3D and surface modeling. Prerequisite: 2400.
- 3460. ARCHITECTURAL DRAFTING AND CAD.** (3-2-2). Principles and practices of home planning; procedures in residential construction; preparation of plans and specifications for a modern home using CAD software. Prerequisite: 1400.
- 3660. ADVANCED WOODWORKING.** (3-1-4). Design and construction of furniture projects: design, joinery, finishes, advanced woodworking operations, machine maintenance and technological developments in industry. Prerequisite: 1600.
- 3700. OCCUPATIONAL FIELD EXPERIENCE II.** (2-0-0). Work experience supervised by the student's departmental coordinator; for students who leave the campus for a full semester or summer to work full time in a major related occupational area. May be repeated. Prerequisite: consent of instructor and placement in related job. Grade is pass/fail.
- 3720. TECHNICAL WRITING.** (3-3-0). Fundamentals of technical report writing, industrial communications, preparation of materials for publication. Prerequisite: English 1020.
- 3730. INDUSTRIAL TRAINING PRACTICES.** (3-3-0). Employee educational and training methods, management, and evaluation. Task analysis, job safety analysis; development of training materials; delivery methods and media. Prerequisite: Junior standing or consent of instructor.
- 4020. ADVANCED METALS MACHINING.** (3-1-4). Special practices of metals processing; CNC machining and CAD-CAM interfacing; machining systems. Prerequisite: 2020, Math 1810.
- 4420. TOOL DESIGN.** (3-1-4). Design and construction of jigs and fixtures applicable to industrial production. Prerequisite: 2020, 3410, Math 1810.
- 4650. INDUSTRIAL WOODWORKING.** (3-1-4). Application of industrial mass production techniques used in the construction of a wood product. Production planning, cost estimating, organization, development of a prototype, assembly line production. Prerequisite: 1600, 2600.
- 4700. MANUFACTURING FACILITIES.** (3-3-0). Study of the planning processes for facilities location and design, material handling equipment, and manpower requirements. Analysis of production line requirements, assembly line balancing, and automation. Prerequisite: Mathematics 2020, 2050.
- 4720. QUALITY CONTROL.** (3-3-0). Methods and procedures employed in industrial quality control, theories of measurement, error, prediction, sampling, tests of significance and models. Prerequisite: Mathematics 1810; Math 2050 or consent of instructor.
- 4730. MANUFACTURING PROCESSES.** (3-2-2). Design, economics, and control of manufacturing processes. Methods engineering, job shop and automation practices; machining and fabrication processes. Prerequisite: 2740, Math 1810.
- 4750. ELEMENTS OF OCCUPATIONAL SUPERVISION.** (3-3-0). Preparation, training, and problems of the supervisor.
- 4760. MOTION AND TIME STUDY.** (3-3-0). Analysis of motions necessary to perform industrial operations; motion economy; development of ratings, allowances, standard data, formula construction, work sampling, wage payment and performance training. Prerequisite: Mathematics 1810.
- 4790. STRENGTH OF INDUSTRIAL MATERIALS.** (3-2-2). Internal stresses and deformation of bodies resulting from action of external forces; concepts and techniques of testing tensile, compression, shear, transverse, elasticity on various materials and fasteners. Prerequisite: IET 2790, Math 2020.
- 4820. PRODUCTION AND INVENTORY CONTROL.** (3-3-0). Planning and control of production; operation analysis; routing, scheduling, dispatching; production charts and boards; inventory control; accumulation of material requirements; use of critical path techniques. Prerequisite: junior standing or consent of instructor.
- 4920. SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of advanced special problems. Individual or group independent work. Prerequisite: at least twelve (12) semester hours credit in IET and/or EET courses and consent of instructor.
- 4950. RESEARCH PROBLEMS.** (1 to 3-0-0). The student selects a problem in his major field and through investigation formulates an acceptable solution. Prerequisite: upper level status and consent of instructor.
- 4960. PROJECT DESIGN II.** (2-0-0). This is a capstone course for IT majors. Students will work with a professor to design a project that reflects several aspects of the student's curriculum. Independent or group work. Students will prepare a written project report and give an oral presentation. Prerequisite: EET 4940.

INTERDISCIPLINARY STUDIES (IDS)

For Undergraduates Only

- 2000. SERVICE LEARNING.** (2-2-0). Service Learning experiences within and outside the University setting. Current issues, values, and opportunities essential for relating service, volunteerism and leadership to academic study.
- 3000. FOUNDATIONS IN PROFESSIONAL STUDIES.** (3-3-0). Exploration and development of a knowledge base in the philosophy, leadership, and trends of professional studies. Forum in which students explore a relationship between prior learning gained from collegiate and non-collegiate instruction and philosophy and theories in education. Career assessment, planning and evaluation. This course lays the foundation for development of an academic portfolio that will serve as an opportunity for the student to translate knowledge and skills obtained from prior instruction into academic credit.

- 4010. INTERNSHIP.** (3 to 6-0-6 to 12). Supervised work experience in the student's area of professional interest and/or background. Focus on professional development, application of skills, development of work habits, and transition from college to career. Prerequisite: Senior standing and consent of instructor.

JOURNALISM (JOUR)

For Undergraduates Only

- 1010. LITERACY SKILLS FOR JOURNALISTS.** (3-3-0). A literacy skills course to assist journalism majors in using language correctly and in communicating with their varied audiences clearly, concisely, and coherently. Prerequisite: ENGL 1010 and 1020 with at least a "C" in each course. This course may not be used to meet major requirements for journalism as stated in the University Catalog.
- 1980. MASS COMMUNICATIONS PRACTICUM.** (1-1-0). Supervised activity on the university communication media, professional association competitions, student communication agencies, or other faculty approved experimental components of the journalism degree program. Prerequisite: consent of instructor.
- 2010. MASS COMMUNICATION AND SOCIETY.** (3-3-0). Survey of historical development of mass media; communication agencies in society; areas of professional work in mass communication; concept of global village and impact of print and non-print media.
- 2410. THE BROADCAST INDUSTRY.** (3-3-0). History, development and organizational patterns and functions of radio and television. Emphasis given to issues dealing with the emergence of electronic media in the 21st century.
- 2510. MEDIA WRITING.** (3-3-0). An introduction to the theories and skills of news gathering and news writing. Prerequisite: Passing score on departmental Language Skills Diagnostic Test.
- 2520. NEWS REPORTING AND WRITING.** (3-3-0). Continuation of JOUR 2510 with an emphasis on beat reporting methods for the print media. Assignments will include news articles submitted to the campus newspaper for publication. Prerequisite: Jour 2510 with a "C" or better.
- 2610. PHOTOGRAPHY FOR MASS COMMUNICATIONS.** (3-2-3). Beginning concepts in photography including the use of cameras, darkroom equipment, film processing and printing. Electronic image gathering with contemporary digital technology and techniques in composition for photo-journalism and publication are included.
- 2980. MASS COMMUNICATIONS PRACTICUM.** (2-2-0). Supervised activity on the university communication media, professional association competitions, student communication agencies, or other faculty approved experimental components of the journalism degree program. Prerequisite: consent of instructor.
- 3040. COMMUNICATION LAW.** (3-3-0). Legal limitations and privileges affecting publishing, broadcasting, and advertising. Prerequisite: Sophomore standing.
- 3060. PUBLIC RELATIONS PRINCIPLES.** (3-3-0). A study of the policies, procedures, ethics, and practices of building and maintaining positive relationships with an organization's various internal and external publics. Prerequisite: Sophomore standing.
- 3070. ADVANCED TOPICS IN MEDIA LAW.** (3-3-0). A comprehensive, in-depth study of specific First Amendment cases, including U.S. Supreme Court, Federal and Louisiana decisions. Discussion of the individual holdings and rationale of the Courts in rendering their decision on First Amendment issues. Course creates ability to identify specific issues germane to the media while developing a workable knowledge of the judicial process. Prerequisite: Jour 3040 or consent of instructor.
- 3080. EDITING PRINT MEDIA.** (3-3-0). Purposes, methods and techniques of editing newspapers, yearbooks, magazines, brochures and other print media. Prerequisite: Jour 2510 or consent of instructor.
- 3260. ADVANCED NEWS REPORTING AND WRITING.** (3-3-0). The study and practice of in-depth reporting and writing with special emphasis on producing articles for online publications. Prerequisite: Jour 2520.
- 3420. RADIO NEWS WRITING.** (3-3-0). Researching, writing and reporting for radio with practical experience in the use of these skills. Provide stories and live newscasts for the student radio station KNWD. Prerequisite: Jour 2510.
- 3430. BASIC RADIO PRODUCTION.** (3-3-0). An introduction to the planning and production of audio in radio, this course examines the special issues, techniques and production of audio communication. It will explore the elements of audio production and performance in general and will seek to place radio as the major venue of audio work in the framework of history and society. Designed to give students knowledge of the theory and practice of a radio station's operation and management. Fundamental to course is laboratory experience in audio production. Prerequisite: sophomore standing.
- 3450. BASIC TELEVISION TECHNIQUES.** (3-3-0). Television equipment, studio and field practices. Practice with television cameras, microphones, editing equipment; television terminology. Prerequisite: sophomore standing.
- 3470. ELECTRONIC MEDIA ANNOUNCING.** (3-3-0). Principles and practice to develop a range of announcing skills applicable to electronic media, including news delivery, interviewing, event narration, entertainment delivery, panel moderation, and persuasive message delivery. Prerequisite: Jour 3450.
- 3510. PRINCIPLES OF ADVERTISING.** (3-3-0). An introductory survey of the purposes, procedures, and effects of advertising, including legal and ethical responsibilities, societal roles, research procedures, media planning, creative strategy, and the environment of advertising practice. Prerequisite: sophomore standing.
- 3530. BASIC PRINT MEDIA DESIGN AND LAYOUT.** (3-3-0). Practical, hands-on experience in the design, layout and production of news and public relations print media with assignments on desktop publishing hardware and software. Prerequisite: sophomore standing.
- 3600. PUBLIC RELATIONS WRITING.** (3-3-0). Comprehensive study and application of writing for public relations, including magazine queries, securing television and radio interviews, coverage memos, media alerts, news releases, features, trade presses, and public relations presentations. Prerequisite: Jour 2510 and 3060, or consent of instructor.
- 3660. PUBLIC RELATIONS MANAGEMENT.** (3-3-0). Theories and principles relevant to public relations practice in agency, corporate and nonprofit organizations, including development of goals and objectives, client relationships, budgets, and research methods specific to the public relations practice. Prerequisite: Jour 3600 or consent of instructor.

- 13980. MASS COMMUNICATIONS PRACTICUM.** (3-3-0). Supervised activity on the university communication media, professional association competitions, student communication agencies, or other faculty approved experimental components of the journalism degree program. Prerequisite: consent of instructor.
- 4010. FEATURE WRITING.** (3-3-0). The study and practice of writing feature articles for newspapers and magazines. Prerequisite: Jour 2510 or consent of instructor.
- 4060. PUBLIC RELATIONS CAMPAIGNS.** (3-3-0). Public relations campaign/event analysis, research, planning, creative strategy, media planning, management, and evaluation. Development of a major campaign project. Prerequisite: Jour 3600, 3660, or consent of the instructor.
- 4100. OPINION WRITING.** (3-3-0). The study and practice of researching and writing opinion articles for the mass media. Prerequisite: Jour 2510 or consent of instructor.
- 4200. MASS MEDIA INTERNSHIP/SEMINAR.** (3-1-0). Preparation for obtaining entry-level employment in professional media, and completion of an internship in an approved professional media organization. Prerequisite: Journalism majors only; junior/senior standing; permission of instructor required.
- 4300. COMMUNICATIONS RESEARCH.** (3-3-0). Basic terminology and methodology of research in mass communications. Theoretical and applied research problems will be examined. Prerequisite: junior or senior standing.
- 4310. ETHICS IN JOURNALISM.** (3-3-0). A study of ethics and applied situations in journalism. Prerequisite: junior or senior standing.
- 4400. TELEVISION NEWS REPORTING.** (3-0-0). Shooting, editing, writing and producing television news; planning and preparation for production of live newscasts complete with video packages. Prerequisite: Jour 2510 and 3470.
- 4440. ADVANCED TELEVISION REPORTING.** (3-3-0). Techniques and methods in investigation and preparation for in-depth stories and packages for the radio and television audience. Prerequisite: Jour 4400.
- 4460. TELEVISION PRODUCING/DIRECTING ACTIVITIES.** (3-3-0). Producing and directing programs for television, both in field and in studio. Emphasis on producing and directing newscasts and educational programs. Prerequisite: Jour 3450 or consent of instructor.
- 4480. DIGITAL VIDEO PRODUCING.** (3-3-0). An introduction to the theories and skills needed to produce and edit professionally made videos using digital equipment. Prerequisite: Jour 3450, 4400.
- 4500. PUBLIC AFFAIRS AND INVESTIGATIVE REPORTING.** (3-3-0). Purpose, scope and methods of reporting on public bodies. Assignments may involve travel and affiliation with local newspapers and broadcast media. Prerequisite: Jour 2510 or consent of instructor.
- 4530. ADVERTISING CAMPAIGNS.** (3-3-0). Advertising campaign analysis, research, planning, creative strategy, media planning, management, and evaluation. Development of a major campaign project. Prerequisite: Jour 3510 or consent of instructor.
- 4700. PROCESS AND EFFECTS OF MASS MEDIA.** (2-3-0). A study of how news media function and the effects of media operation on society and government. Prerequisite: Senior standing.

For Undergraduates and Graduates

- 4180. SEMINAR IN PUBLIC RELATIONS.** (3-3-0). Reading, research, analysis, and discussion of current topics in public relations practice. Prerequisite: Junior or Senior standing. May be repeated for graduate or undergraduate credit as the seminar topic varies.
Subtitles:
01-Societal role and effects of public relations
02-Research and evaluation in public relations
03-Ethics in public relations practice
04-Management of special events
05-Public relations administration
06-Public relations in integrated marketing communication
07-Modern public relation communication techniques
08-Public service and health care communication
09-Corporate culture environment of public relations
10-Current controversies in public relations
- 4520. SPECIAL PROBLEMS IN MASS COMMUNICATIONS.** (1 to 3-3-0). Study of special topics or problems in mass communications. Prerequisite: Consent of instructor. Repeatable for undergraduate credit only to six hours as subject changes.
- 4600. LITERARY JOURNALISM.** (3-3-0). Study of literary techniques used to report on actual people, places, and events. Critical reading and understanding of nonfiction prose, with an emphasis on works written by women and minorities. Practice in employing narrative writing strategies that meet the standards of professional journalism. Consideration of ethical issues. Prerequisite: 9 semester hours of English, junior standing.

LEGAL ASSISTANT PROGRAM (LAP)

For Undergraduates Only

- 3010. INTRODUCTION TO LAW.** (3-3-0). Development of common and civil law traditions in the U.S.; trends in the legal profession; role of a legal assistant.
- 3020. LEGAL RESEARCH.** (3-3-0). Methods and tools of legal research; primary and secondary sources of law.
- 3030. LITIGATION.** (3-3-0). Differences in civil and criminal litigation; preparation and examination, under attorney supervision, of forms and documents relating to litigation.
- 3040. ESTATES, TRUSTS, WILLS.** (3-3-0). Preparation of legal documents, under the supervision of attorney, associated with planning estates and other related matters.
- 3050. CORPORATIONS.** (3-3-0). Preparation of initial and amended articles of incorporation and other documents and transactions pertaining to corporations.
- 3060. REAL ESTATE AND MORTGAGES.** (3-3-0). Preparation and information regarding basic real estate transfers and associated documents; title searches, preparation of preliminary abstracts of titles, etc. under the supervision of an attorney.
- 3070. FAMILY RELATIONS LAW.** (3-3-0). Preparation of documents, knowledge of procedures and other matters related to domestic relations law.
- 3080. LAW OFFICE ADMINISTRATION.** (3-3-0). Approaches to the organization and efficient operation of the law office.

¹ Course may be repeated for credit but only six hours of credit from any combination of Journalism 1980, 2980, 3980 may be applied toward a degree.

LIBRARY AND INFORMATION SCIENCE (LIS)

For Undergraduates Only

- 4050. INFORMATION, MEDIA, AND THE CURRICULUM.** (3-3-0). An introduction to basic information services provided by the School Media Center librarian. Focuses on skills related to the instructional roles of the school media librarian; integrating library and information resources, including new electronic formats, into the K-12 curriculum; and addressing issues related to information literacy. Prerequisite: EDUC 3140.
- 4070. ADMINISTRATION AND ORGANIZATION OF THE SCHOOL MEDIA CENTER.** (3-3-0). Current practices and issues related to managing the school media center with a focus on the instructional role of the center. Includes the philosophy, and objectives of the center, resources, personnel, communications, budgeting, and collaboration with parents, teachers, and school administrators. Prerequisite: EDUC 3140.
- 4100. SUPERVISED FIELD WORK IN SCHOOL LIBRARY MEDIA.** (3 to 9-0-8 to 24). Supervised experience in an approved cooperating media center with an individualized plan designed to meet the student's professional goals, build on a student's strengths, and ensure development of competencies. Requires 120 hours of supervised professional work in an approved school media. Prerequisites: Completion of 15 credits of course work, including LIS 4050, 4160, 4170, 4070, or consent of the instructor.
- 4160. LITERATURE AND RELATED MATERIALS FOR CHILDREN.** (3-3-0). Focuses on identifying, assessing, and using books and other media, including new electronic formats, for the intellectual, emotional, and social development of the student. Students develop competencies to address age-appropriate information literacy skills; analyze finding aids and select or develop evaluation tools; and prepare instructional materials and teaching guides addressing information literacy competencies, curriculum standards, and the integration of library information resources into a school's instructional program. Prerequisite: EDUC 3140.
- 4170. LITERATURE AND RELATED MEDIA FOR THE YOUNG ADULT.** (3-3-0). A study of literature and related materials for use with the adolescent in grades 7-12. Emphasis is placed on the special characteristics and needs of young adults, analysis, and evaluation of materials for this age group, and the impact of new technologies on literature. Prerequisite: EDUC 3140.
- 4180. TECHNICAL PROCESSES FOR THE SCHOOL MEDIA CENTER.** (3-3-0). Emphasizes all aspects of technical services, including acquisitions, cataloging, and serials. Introduces the theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, including discussion and application of Anglo-American Cataloging Rules 2nd edition revised (AACR2R), DDC, LCC, and LCSH. Issues related to automation, electronic services, and technology in these areas are explored. Prerequisite: EDUC 3140.
- 4190. TECHNOLOGY FOR LIBRARIES AND INFORMATION SCIENCE.** (3-3-0). Introduction to modern technology and equipment for the storage, organization, and dissemination of information. Topics include: new formats and technologies, including CD-ROM, laser disk, DVD, web-based resources; online database and Internet searching; designing, producing, and organizing multimedia resources; using computers in catalog maintenance, circulation control, acquisitions, and online catalogs. Additional topics focus on planning for automation, retrospective conversion, proposal evaluation, contractual services, and systems administration. Prerequisites: EDUC 3140.

For Graduates Only

- 5020. LITERATURE AND RELATED MATERIALS FOR CHILDREN.** (3-3-0). Focuses on identifying, assessing, and using books and other media, including new electronic formats, for the intellectual, emotional, and social development of the student. Students develop competencies to address age-appropriate information literacy skills; analyze finding aids and select or develop evaluation tools; and prepare instructional materials and teaching guides addressing information literacy competencies, curriculum standards, and the integration of library information resources into a school's instructional program. Prerequisite: A valid teaching certificate; graduate status.
- 5030. LITERATURE AND RELATED MEDIA FOR THE YOUNG ADULT.** (3-3-0). A study of literature and related materials for use with the adolescent in grades 7-12. Emphasis is placed on the special characteristics and needs of young adults, analysis, and evaluation of materials for this age group, and the impact of new technologies on literature. Prerequisite: A valid teaching certificate; graduate status.
- 5050. INFORMATION, MEDIA, AND THE CURRICULUM.** (3-3-0). An introduction to basic information services provided by the School Media Center librarian. Focuses on skills related to the instructional roles of the school media librarian; integrating library and information resources, including new electronic formats, into the K-12 curriculum; and addressing issues related to information literacy. Prerequisite: A valid teaching certificate; graduate status. (Provides three hours of credit toward school library service certification under part one, elementary and/or secondary school library services.)
- 5070. ADMINISTRATION AND ORGANIZATION OF THE SCHOOL MEDIA CENTER.** (3-3-0). Current practices and issues related to managing the school media center with a focus on the instructional role of the center. Includes the philosophy, and objectives of the center, resources, personnel, communications, budgeting, and collaboration with parents, teachers, and school administrators. Prerequisites: A valid teaching certificate; graduate status.
- 5100. SUPERVISED FIELD WORK IN SCHOOL LIBRARY MEDIA.** (3 to 9-0-8 to 24). Supervised experience in an approved cooperating media center with an individualized plan designed to meet the student's professional goals, build on a student's strengths, and ensure development of competencies. Requires 120 hours of supervised professional work in an approved school media. Prerequisites: Completion of 15 credits of course work, including LIS 5050, 5020 or 5030, 5070 or consent of the instructor.
- 5180. TECHNICAL PROCESSES FOR THE SCHOOL MEDIA CENTER.** (3-3-0). Emphasizes all aspects of technical services, including acquisitions, cataloging, and serials. Introduces the theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, including discussion and application of Anglo-American Cataloging Rules 2nd edition revised (AACR2R), DDC, LCC, AND LCSH. Issues related to automation, electronic services, and technology in these areas are explored. Prerequisites: A valid teaching certificate; graduate status.

- 5190. TECHNOLOGY FOR LIBRARIES AND INFORMATION SCIENCE.** (3-3-0). Introduction to modern technology and equipment for the storage, organization, and dissemination of information. Topics include: new formats and technologies, including CD-ROM, laser disk, DVD, web-based resources; online database and Internet searching; designing, producing, and organizing multimedia resources; using computers in catalog maintenance, circulation control, acquisitions, and online catalogs. Additional topics focus on planning for automation, retrospective conversion, proposal evaluation, contractual services, and systems administration. Prerequisites: A valid teaching certificate; graduate status.

MANAGEMENT (MGT)

For Undergraduates Only

- 1020. BASIC LEADERSHIP.** (2-2-0). Application of the principles of leadership and management by objectives.
- 2500. PERSONNEL AND SUPERVISION.** (3-3-0). For practicing or potential first-line supervisors and middle-level managers. Managerial functions of planning, organizing, staffing, directing and controlling as they relate to personnel supervision.
- 3220. ORGANIZATION AND MANAGEMENT.** (3-3-0). Management processes and ethics, with focus on the management of people in organizations, their behavior, motivation, and interactions with management structure. Prerequisite: junior standing. A common body of knowledge course.
- 3500. MANAGEMENT SCIENCE TECHNIQUES.** (3-3-0). Major statistical and quantitative techniques useful in modern management. Prerequisites: successful completion of Accounting 2000 and Business Administration 2120 or Accounting 2000 and SSTA 3810.
- 3580. PRODUCTION SYSTEMS MANAGEMENT.** (3-3-0). Planning, analysis and control of production systems. Application of management information systems to production. Prerequisite: successful completion of Management 3220 and Business Administration 2120 or Management 3220 and SSTA 3810.
- 4270. PERSONNEL MANAGEMENT.** (3-3-0). Industrial and personnel management; the case study approach, independent reading and investigation, and oral presentation. Prerequisite: MGT 3220.
- 4300. MANAGEMENT POLICY.** (3-3-0). An integrative case method course: analysis, problem solving and decision making; emphasis on application of all basic common body of knowledge courses. Prerequisites: management 3220, marketing 3230, finance 3090, last semester senior standing. A common body of knowledge course.
- 4320. ADVANCED MANAGEMENT.** (3-3-0). Selected management topics; reading, investigation, and presentation. Prerequisite: MGT 3220.
Subtitles:
01-business ethics
02-managerial decision analysis
- 4350. JAPANESE MANAGEMENT.** (3-3-0). Survey of Japanese management methods, organization, employment policies, marketing, and distribution, and other aspects. The Japan-US relationship, and prospects for the future. Prerequisite: Management 3220 and Marketing 3230.
- 4400. THE MANAGEMENT OF CHANGE.** (3-3-0). Factors relating to the accelerated rate of change and their implications for management. Technological, social, and economic changes with problems of resistance to change, executive obsolescence and predictions for the future. Prerequisite: 3220.

- 4700. MANAGEMENT OF ELECTRONIC BUSINESS.** (3-3-0). Strategic and operational issues in the management of electronically networked and virtual business organizations. Technology enabled business models, global Internetization, opportunities and challenges of the Internet economy, planning, organizing, leadership, and control of e-business. Prerequisites: MGT 3220, MKTG 3230 and CIS 3100.

For Undergraduates and Graduates

- 4450. PURCHASING AND SUPPLY MANAGEMENT.** (3-3-0). Principles of purchasing and supply management applicable to manufacturing and service organizations with an emphasis on electronic purchasing (e-purchasing). Topics include the purchasing process, organization, strategy, buyer-supplier relationships, supplier selection and management, negotiation, cost/price analysis, quality, global sourcing, inventory, transportation, public purchasing, and legal and ethical issues. (This course is the same as MKTG 4450.) Prerequisite: MGT 3220, MKTG 3230.
- 4460. SUPPLY CHAIN MANAGEMENT.** (3-3-0). Principles of supply chain management applicable to manufacturing and service organizations. Topics include supply chain planning – forecasting and inventory, supplier management, physical distribution, logistics, transportation, coordination in the supply chain, the purchasing process, and e-business and the supply chain. (This course is the same as MKTG 4460.) Prerequisites: MGT 3220, MKTG 3230.

MARKETING (MKTG)

For Undergraduates Only

- 2200. SALESMANSHIP.** (3-3-0). Selling, sales techniques, sales role-playing, and characteristics of a good sales person. History of selling and the salesperson's role in our economy included to provide a deeper understanding of the contributions made by the American salesman.
- 3230. PRINCIPLES OF MARKETING.** (3-3-0). Marketing functions, channels of distribution, marketing institutions, marketing analysis, price determinants, marketing trends. Prerequisite: Junior standing, Economics 2010, or consent of instructor.
- 3820. MARKETING PROMOTIONS.** (3-3-0). Communication problems inherent in flow of marketing information; advertising, sales promotion, sales analysis, marketing research. Prerequisite: 3230.
- 3900. SERVICES MARKETING.** (3-3-0). Developing, pricing, distributing, and promoting the service; control of quality of customer encounters through service automation and/or employee selection and training; place of marketing in service organization structure; strategic implications of structure of service industries. Prerequisite: 3230.
- 4100. MARKETING MANAGEMENT.** (3-3-0). Elements of marketing; relationship of marketing problems to policy decisions in other divisions of business organization; recent developments and oral presentation. Prerequisite: 3230.
- 4200. PERSONAL SELLING.** (3-3-0). The principles of the personal selling process, analysis of the market and the product, development and delivery of the sales presentation, and relationship building. Prerequisite: 3230.
- 4350. RETAIL MANAGEMENT PROBLEMS.** (3-3-0). Retailing functions in large and small establishments; personnel selection, training and supervision; logistics; merchandise management; relations with suppliers; management of non-merchandising functions. Prerequisite: 3230.

4370. CONSUMER BEHAVIOR. (3-3-0). Behavioral theories relevant to consumer motivations and buyer behavior. Psychology, sociology, and anthropology as aids to the development of marketing policies and strategies. Prerequisite: MKTG 3230.

4440. MARKETING RESEARCH. (3-3-0). The academic and applied elements of marketing research, including modeling, sampling, survey, instrument design, data collection, computer-based data analysis and data presentation. Prerequisites: Marketing 3230 and Business Administration 2120 or Marketing 3230 and SSTA 3810.

4500. INTERACTIVE AND INTERNET MARKETING. (3-3-0). Theoretical and applied concepts and practices related to interactive and Internet marketing. Prerequisites: MKTG 3230 and junior standing.

For Undergraduates and Graduates

4450. PURCHASING AND SUPPLY MANAGEMENT. (3-3-0). Principles of purchasing and supply management applicable to manufacturing and service organizations with an emphasis on electronic purchasing (e-purchasing). Topics include the purchasing process, organization, strategy, buyer-supplier relationships, supplier selection and management, negotiation, cost/price analysis, quality, global sourcing, inventory, transportation, public purchasing, and legal and ethical issues. (This course is the same as MGT 4450.) Prerequisite: MGT 3220, MKTG 3230.

4460. SUPPLY CHAIN MANAGEMENT. (3-3-0). Principles of supply chain management applicable to manufacturing and service organizations. Topics include supply chain planning – forecasting and inventory, supplier management, physical distribution, logistics, transportation, coordination in the supply chain, the purchasing process, and e-business and the supply chain. (This course is the same as MGT 4460.) Prerequisites: MGT 3220, MKTG 3230.

MATHEMATICS (Math)

For Undergraduates Only

Placement in first year mathematics is based on ACT or SAT scores

0920. INTRODUCTION TO BASIC MATHEMATICS-LEVEL II. (3-3-0). Arithmetic with an introduction to elementary algebra for those who are not prepared to take a beginning course in college mathematics. Students who earn credit in this course will have three hours added to degree requirements. Prerequisite: placement based on ACT, SAT, Mathematics Placement Examination or course grade of C or higher in Mathematics 0910. Corequisite: registration in 0922.

0922. INTRODUCTION TO BASIC MATHEMATICS-LEVEL II RECITATION. (2-2-0). Solving problems from concepts covered in 0920. Students who earn credit in this course will have two hours added to their total degree requirements. Corequisite: registration in 0920.

1010. INTRODUCTION TO MATHEMATICS. (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, scholarship, and employment opportunities.

1020. COLLEGE ALGEBRA. (3-3-0). A graphing treatment of the topics considered essential for a college algebra course with emphasis on functions, graphs, and applications. A graphing calculator will be required in the course. Prerequisite: placement based on mathematics section of ACT, SAT, Mathematics Placement Examination, or grade of C or better in Mathematics 0920. Corequisite: Registration in Math 1021; this is waived for students completing Math 0920/0922 with a grade of C or better and those with a sufficiently high score on mathematics portion of ACT, SAT or Mathematics Placement Exam.

1021. COLLEGE ALGEBRA RECITATION. (2-2-0). Solving problems from concepts covered in Math 1020 with supplemental instruction in basic algebraic concepts. This course may not be used to satisfy requirements for any degree. Prerequisite: placement based on ACT, SAT, or results of Mathematics Placement Exam. Corequisite: Math 1020.

1060. FINITE MATHEMATICS. (3-3-0). Mathematics of finance, basic set theory, Venn diagrams, permutations, combinations, basic probability, probability distributions, descriptive and inferential statistics, normal curve. Prerequisite: 1020.

1090. TRIGONOMETRY. (3-3-0). Trigonometric functions; relations between functions; solution of triangles with applications to practical problems; trigonometric formulas and identities; radian measure; graphic representation of trigonometric functions; inverse trigonometric functions, trigonometric equation. Prerequisite: registration in or credit for 1020 or consent of department head. Credit not allowed in 1100 and 1020-1090.

1100. PRECALCULUS MATHEMATICS. (6-6-0). An accelerated study of college algebra and college trigonometry topics from analytic geometry, the concept of function, and the construction and interpretation of graphs. Prerequisite: placement based on Mathematics section of ACT, SAT, or grade of C or higher in Mathematics 0920. Credit not allowed in this course and 1810, or 1020-1090.

1810. TECHNICAL MATHEMATICS. (6-6-0). Mathematics for Industrial Technology students. Graphical treatment of the concepts and applications of algebra, trigonometry, and statistics. Prerequisite: Placement based on mathematics score on ACT or SAT, or a grade of C or higher in 0920. Credit not allowed in this course and 1100 or 1020-1090.

2010. SURVEY OF CALCULUS. (3-3-0). Basic concepts of calculus; applications in other disciplines. Credit not allowed in both 2010 and 2100. Prerequisite: 1020.

2020. CALCULUS FOR ELECTRONICS. (6-6-0). Graphical treatment of the concepts of differential and integral calculus; applications to electronic engineering technology; Fourier series; elementary differential equations; Laplace transforms. Prerequisite: 1810 or consent of department head.

2030. ELEMENTARY AND MIDDLE SCHOOL MATHEMATICS. (3-3-0). Mathematical concepts, applications, and processes relating to elementary and middle school mathematics. Prerequisite: completion of University core mathematics requirements.

2040. INFORMAL GEOMETRY AND MEASUREMENT. (3-3-0). The study of the geometry of one, two, and three dimensions in a variety of situations. The study of measurement of length, volume, weight/mass, and temperature in standard and metric units and its application in problem situations. Prerequisite: 2030.

- 2050. MATHEMATICS OF STATISTICS.** (3-3-0). Statistics as a scientific tool; frequency distributions, tabular and graphical representation of data; measures of central tendency; normal curve; correlation; sampling; probability curve fitting; limitations of theory. Prerequisite: three hours of mathematics.
- 2070. GRAPH THEORY.** (3-3-0). An introduction of graphs and a sampling of their numerous and diverse applications. Prerequisite: completion of university mathematics core courses.
- 2080. DISCRETE MATHEMATICS FOR COMPUTER SCIENCE.** (3-3-0). Propositional and first order logic, constructive proofs, mathematical induction, set theory, relations, functions, recursions, computability and recurrence relations, graph theory and graph algorithms, Turing machines. Prerequisites: 1020 and 1090 or consent of instructor. (Same as Computer Science 2080)
- 2100. ANALYTICAL GEOMETRY AND CALCULUS I.** (5-5-0). Elementary functions; the concept of the derivative; the concept of the integral; differentiation formulas; applications of the derivative. Prerequisites: grade of C or better in 1100, or in both 1020 and 1090, or consent of instructor.
- 2110. ANALYTICAL GEOMETRY AND CALCULUS II.** (5-5-0). Constructing antiderivatives; techniques of integration; applications of the definite integral; series; differential equations. Prerequisite: 2100.
- 3000. SPECIAL PROBLEMS.** (1-1-0). A preparation course designed for students competing in mathematical modeling contests, problem-solving competitions, and other competitive testing programs sponsored by regional and national mathematics organizations. The course may be repeated a maximum of two times.
- 3020. FOUNDATIONS OF GEOMETRY.** (3-3-0). Plane geometry, solid geometry, coordinate geometry, non-Euclidean geometry, nature of proof, deductive reasoning, measurement, construction, areas, and volumes. Prerequisite: 3090.
- 3090. LINEAR ALGEBRA I.** (4-4-0). Systems of equations, matrices, vector spaces, linear transformations, determinants. Prerequisite: 2080, 2110.
- 3100. MODERN ALGEBRA I.** (3-3-0). Integer arithmetic; modular arithmetic; rings and fields; isomorphisms; polynomials over a field; ideals; homomorphisms and quotient rings; prime and maximal ideals. Prerequisite: 3090.
- 3130. ANALYTICAL GEOMETRY AND CALCULUS III.** (3-3-0). Functions of many variables; vectors and their properties; partial differentiation; optimization of functions of many variables; multiple integration. Prerequisite: 2110.
- 3140. ANALYTICAL GEOMETRY AND CALCULUS IV.** (3-3-0). Parameterized curves and surfaces, vector fields, line integrals. Green's theorem, flux integrals, divergence and curl, divergence theorem, Stokes' theorem. Prerequisite: Math 3130.
- 3150. THEORY OF PROBABILITY.** (3-3-0). Introductory concepts; elementary principles of the theory of probability; dependence; expectation; binomial distribution; other distribution functions; applications. Prerequisite: 3090.
- 3160. ORDINARY DIFFERENTIAL EQUATIONS.** (3-3-0). First order equations; systems of first order equations; linear systems, forcing and resonance, nonlinear systems, discrete dynamical systems. Prerequisite: 2110.
- 3200. COMBINATORICS.** (3-3-0). Counting methods; generating functions; recurrence relations; inclusion-exclusion; circuits and graphs.
- 3450. INTRODUCTION TO NUMERICAL ANALYSIS.** (3-3-0). Numerical techniques for finding roots of general equations; interpolation; numerical differentiation; numerical integration; matrix manipulation; solutions of systems of equations and differential equations. Prerequisite: 2110.
- 3910. CRYPTOLOGY.** (3-3-0). Methods of cryptography and cryptanalysis from ancient times to the present are examined. Students will be required to write programs implementing some of the algorithms. Related topics such as the decipherment of lost scripts will also be discussed. Prerequisites: Math 3100, CSC 1060.
- 4050. MATHEMATICS CONTENT AND CONCEPTS.** (3-3-0). A problem solving approach to develop understanding of the tasks included in the five strands of high school and middle school mathematics. Prerequisite: 2110 or consent of instructor.
- 4140. INTEGRAL TRANSFORMS.** (3-3-0). Integral transforms with their applications to elementary problems in vibrations, diffusion, static potentials, and boundary value problems. Laplace and Fourier transforms will be emphasized. The course will present a sound mathematical analysis as well as applications. Prerequisite: 3130.
- 4950. MATHEMATICS- A CAPSTONE COURSE.** (3-3-0). A synthesis of previous mathematics courses; individually directed research; preparation for employment and teaching; an exit exam preparation. Prerequisite: senior standing and consent of the department head.
- 4960. MATHEMATICS- A CAPSTONE COURSE II.** (3-3-0). A continuation of directed study and independent research conducted in 4950.

¹ 0920 may not be used to satisfy the mathematics requirements in any curriculum.

² Acceptable sequences: 1020-1060, 1020-1090, 1020-2010, 2100-2110.

For Undergraduates and Graduates

- 4030. COLLEGE GEOMETRY.** (3-3-0). Logical systems and basic laws of reasoning; topics of axiomatic geometry; Menelaus's and Ceva's theorems; harmonic elements and cross ratio; inversion theory; introduction to projective geometry. Prerequisite: 12 hours of mathematics, including 2100.
- 4060. THEORY OF NUMBERS.** (3-3-0). Foundations of the number system; repeating decimals; congruences; diophantine equations; continued fractions; quadratic residues. Prerequisite: 3090.
- 4070. HISTORY OF MATHEMATICS.** (3-3-0). History of the number system and development of the subject matter of arithmetic, algebra, and geometry on the elementary and secondary level; contributions of trigonometry, analytic geometry, and calculus. Prerequisite: 2100.
- 4090. THEORY OF EQUATIONS.** (3-3-0). Simultaneous linear equations in two and three variables; complex numbers; properties of polynomials; elementary theorems on roots of equations; transformation of equations; cubic and quartic equations; isolation of real roots; numerical equations, determinants; symmetric functions; resultants; use of ruler and compasses in constructions. Prerequisite: registration in or credit for 2110.
- 4100. DISCRETE MATHEMATICS.** (3-3-0). Graphs; applications of graphs; Markov chains.
- 4110. MODERN ALGEBRA II.** (3-3-0). Arithmetic in integral domains; unique factorization domains; groups; subgroups and Lagrange's theorem; isomorphisms and homomorphisms of groups; normal subgroups and quotient groups; field extensions; algebraic extensions; splitting fields; Galois theory. Prerequisite 3100.

- 4130. TOPICS IN GAME THEORY.** (3-3-0). Zero sum games; strategies; infinity games; utility theory; N-Person games; indices of power; bargaining sets. Prerequisite: 3150.
- 4150. FOUNDATIONS OF MATHEMATICS AND COMPUTABILITY.** (3-3-0). An introduction to mathematical logic and computability. Topics to be covered include formal languages, first order logic, axiom systems, incompleteness and decidability, computability, and applications of logic and computability to computer science and programming languages.
- 4160. ORDINARY DIFFERENTIAL EQUATIONS AND DIFFERENCE EQUATIONS.** (3-3-0). Existence and uniqueness of differential equations, difference equations, N th Order Systems of linear differential and difference equations, stability theory of linear and nonlinear differential and difference equations. Prerequisite: 3160 or consent of instructor.
- 4170. ADVANCED CALCULUS.** (3-3-0). Advanced phases of limits and continuity; derivatives and differentials; functions of several variables; definite integrals; multiple integrals; line integrals; infinite series. Prerequisite: 3090.
- 4200. THEORY OF FUNCTION OF A COMPLEX VARIABLE.** (3-3-0). Real and complex numbers; differentiation and integration of a complex variable; mapping of elementary functions; linear fractional transformations; infinite series. Prerequisite: 4170 or consent of department head.
- 4260. PARTIAL DIFFERENTIAL EQUATIONS.** (3-3-0). Second order linear partial differential equations with mixed boundary conditions; orthogonal systems and their uses in solving partial differential equations. Prerequisite: 3160.
- 4320. LINEAR ALGEBRA II.** (3-3-0). Innerproduct spaces, determinants, eigenvalues, eigenvectors, diagonability, applications. Prerequisite: 3090.
- 4450. NUMERICAL ANALYSIS I.** (3-3-0). Error analysis; approximation of functions; solutions of simultaneous equations; numerical differentiation and integration; difference equations; numerical solutions of differential equations. Prerequisite: consent of department head.
- 4500. GENERAL TOPOLOGY.** (3-3-0). Development of the fundamental concepts of general topology including topological spaces, continuity of functions, product spaces, connectedness, compactness. Prerequisite: 4170.

For Graduates Only

- 5020. SPECIAL TOPICS IN MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS.** (3-3-0).
Subtitles:
01-elementary mathematics
02-history
03-problem solving
04-algebra
05-geometry
06-selected reading
May not be used to fulfill requirements for M.S. degree in Mathematics Education. Prerequisite: consent of department head.
- 5080. ADVANCED TOPICS IN ELEMENTARY SCHOOL MATHEMATICS.** (3-3-0). Content will vary to meet specific needs of in-service elementary school teachers. Prerequisites: 5020 and consent of instructor.
- 5150. FOUNDATIONS OF MATHEMATICS I.** (3-3-0). Axiom systems; consistency, independence, and completeness; countability of sets, cardinals of sets. Prerequisites: 3100 and consent of department head.

- 5210. THEORY OF FUNCTIONS OF A REAL VARIABLE I.** (3-3-0). Real number system; theory of point sets; spaces; sequences; functions; infinite series; measure theory; integration. Prerequisite: 4170.
- 5350. SELECTED TOPICS IN MATHEMATICS.** (3-3-0).
Subtitles:
01-foundations
02-functions and relations
03-algebra
04-selected readings
05-special topics
Prerequisite: 2110.
- 5410. INTRODUCTION TO OPERATIONS RESEARCH MODELS.** (3-3-0). Models, model building, and optimization techniques used in operations research. Prerequisite: consent of department head.
- 5450. NUMERICAL ANALYSIS II.** (3-3-0). Numerical solutions of differential equations, curve fitting, finite differences, iteration techniques. Prerequisite: 4450.
- 5500. INTRODUCTION TO MODERN ANALYSIS I.** (3-3-0). Axiomatic development of basic concepts of sets, sequences, continuity, differentiation, integration, and certain algebraic systems. Prerequisite: consent of department head.
- 5520. FOUNDATIONS OF GEOMETRY II.** (3-3-0). The axiomatic method; Euclidean geometry; geometry of 4 dimensions; plane hyperbolic geometry; proof. Prerequisite: 3020 or consent of department head.
- 5560. INTRODUCTION TO MODERN ANALYSIS II.** (3-3-0). Continuation of 5500. Prerequisite: 5500 or consent of department head.
- 5570. TOPICS IN PROBABILITY AND STATISTICS.** (3-3-0). Concepts in probability and statistics from an advanced viewpoint. Prerequisite: 12 hours of undergraduate mathematics.
- 5900. SEMINAR.** (1-0-0). Two hours allowed toward a degree.
- 5950. RESEARCH PROBLEMS.** (0 to 6-0-0). Six hours allowed toward a degree.
- 5980. THESIS.** (6-0-0).

MEDICAL TECHNOLOGY (MEDT)

For Undergraduates Only

- 2010. HEMATOLOGY.** (2-2-0). Blood collection, blood cell counting, hemoglobin determinations, and red blood cell indices; hematopoiesis, anemias, leukemias, hemoglobinopathies, and thalassemias; blood coagulation and platelets. Prerequisite: Biology 1020-1021; registration in or credit for 2011.
- 2011. HEMATOLOGY LABORATORY.** (2-0-4). Prerequisite: registration in or credit for 2010.
- 4040. CLINICAL URINALYSIS.** (2-0-0). Renal morphology, physiology, diseases and diagnostic procedures; chemical and microscopic examination of urine.
- 4050. CLINICAL CHEMISTRY.** (8-0-0). Theory and application of chemical analysis of body fluids in normal and disease states; procedures of manual methods, autoanalyzers, chromatography, electrophoresis, toxicology, radioimmunoassay, blood gas analysis, instrument calibration and maintenance, test evaluation and quality control.
- 4060. CLINICAL IMMUNOLOGY AND SEROLOGY.** (2-0-0). Principles of immunology and serology and their application to medical laboratory diagnosis; detecting specific antibodies associated with disease, quality control techniques and interpretation of findings.

- 4070. CLINICAL MICROBIOLOGY.** (7-0-0). Isolation, identification, characteristics, diseases caused, disease mechanisms and methods of control of bacteria, mycobacteria, fungi and animal parasites; manual and automated techniques for isolation and identification of microorganisms.
- 4080. CLINICAL IMMUNOHEMATOLOGY.** (4-0-0). Theory and practice of blood banking. Typing and cross matching blood, donor processing, screening and identification of atypical antibodies, recognition of abnormal tests, quality control procedures, administration and technical operation; typing and cross matching, donor blood selection, detection of abnormal antibodies, blood processing, plasmapheresis, and other blood component fractionation procedures.
- 4090. LABORATORY MANAGEMENT.** (1-0-0). Theory and practice of management of laboratory personnel, education, certification, data, quality control, supplies and interaction with patients, hospital personnel and physicians.
- 4100. CLINICAL HEMATOLOGY AND COAGULATION.** (6-0-0). Normal and diseased blood characteristics, hemopoiesis, anemias, hemoglobinopathies, leukemias, mechanisms of blood coagulation, manual and automated methods of hematology and quality control; performing tests such as complete blood cell counts, red blood cell indices, sedimentation rates, hematocrits, coagulation rates and factor analysis of manual and automated methods.

MERCHANDISING (MRCH)

For Undergraduates Only

- 2210. RETAIL MERCHANDISING.** (3-3-0). Organization and management of retail establishments; store location; buying; receiving; stockkeeping; sales systems; store policies.
- 2220. FASHION MARKETING.** (3-3-0). Merchandising aspects of fashion; purchasing, display, and economic considerations.
- 3200. VISUAL MERCHANDISING.** (3-3-0). Theory and practice in promotion of products through visual merchandising including retail display techniques, fashion show production, special events, and other promotional activities in retailing. Prerequisite: Art 1010.
- 4220. FASHION MERCHANDISING STUDY TOUR.** (3-3-0). The fashion industry and apparel market with tours of designers' workrooms, buying offices, and related apparel/textiles organizations. Expenses incurred to be paid by participant. Prerequisite: nine hours in Fashion Merchandising area or consent of instructor.

MICROBIOLOGY (MBIO)

For Undergraduates Only

- 1100. MICROBIOLOGY IN HEALTH AND DISEASE.** (3-3-0). General microbiology; microorganisms in the human environment. (Students may not receive credit for both Microbiology 1100 and Microbiology 2060 or Science 2000.)
- 2060. INTRODUCTORY MICROBIOLOGY.** (2-2-0). Bacteria, viruses and other single-celled microorganisms; structure, growth, relationships to man, animals, and plants. Prerequisites: registration in or credit for 2061. (Students may not receive credit for both Microbiology 2060 and Microbiology 1100 or Science 2000.)
- 2061. INTRODUCTORY MICROBIOLOGY LABORATORY.** (2-0-4). Prerequisite: registration in or credit for 2060.
- 4900. UNDERGRADUATE SEMINAR.** (1-1-0). Maximum credit towards degree, two hours. Oral reports of current literature in microbiology.

- 4950. PROBLEMS IN MICROBIOLOGY.** (1 to 4-0-0). Individual research on microbiological problems not ordinarily included within the scope of regular courses; weekly conferences with the instructor, in addition to the research; procedures, results and conclusions in the form of a research paper. May be repeated for a maximum of four hours of credit toward degree. Prerequisites: 2060-2061, and at least one advanced course in Microbiology; consent of instructor.

For Undergraduates and Graduates

- 4030. MICROBIAL PHYSIOLOGY I.** (3-3-0). Energy yielding metabolism of the bacteria and the biosynthesis of small molecules, e.g., amino acids, purines and pyrimidines, and fatty acids. Prerequisites: 2060-2061; two semesters of organic chemistry.
- 4041. MICROBIAL PHYSIOLOGY LABORATORY.** (2-0-4). Laboratory of the biochemistry and physiology of bacteria and higher protists. Prerequisites: 2080-2081, and Chemistry 4040 or Microbiology 4030.
- 4120. PATHOGENIC MICROBIOLOGY.** (2-2-0). Microorganisms that cause disease in man and animals; their isolation and identification; mechanisms of disease causation; methods of control. Prerequisites: registration in or credit for 4121; 2060-2061.
- 4121. PATHOGENIC MICROBIOLOGY LABORATORY.** (2-0-4). Prerequisite: registration in or credit for 4120.
- 4190. IMMUNOLOGY AND SEROLOGY.** (3-3-0). Biology and chemistry of natural and acquired immunity; serological techniques. Prerequisites: registration in or credit for 4191; 2060-2061; one semester of organic chemistry.
- 4191. IMMUNOLOGY AND SEROLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 4190.
- 4200. IMMUNOLOGY AND SEROLOGY II.** (3-3-0). Continuation of 4190. Prerequisites: registration in or credit for 4201; 4190-4191.
- 4201. IMMUNOLOGY AND SEROLOGY LABORATORY II.** (2-0-4). Prerequisite: registration in or credit for 4200.
- 4210. APPLIED MICROBIOLOGY.** (2-2-0). Microbiological aspects of milk, food, industry, soils, water and domestic wastes. Prerequisites: registration in or credit for 4211; 2060-2061.
- 4211. APPLIED MICROBIOLOGY LABORATORY.** (2-0-4). Prerequisite: registration in or credit for 4210.
- 4270. VIROLOGY.** (3-3-0). Bacterial, plant and animal viruses. Prerequisites: four hours of microbiology; four hours of organic chemistry; Biology 4000. (Formerly Microbiology 5290).
- 4700. PUBLIC HEALTH MICROBIOLOGY.** (3-3-0). Epidemiology and control of infectious diseases; role of hospital personnel in diagnosis, spread, and control of infection in the hospital and community. Prerequisite: consent of instructor.

MILITARY SCIENCE (MSCI)

For Undergraduates Only

- 1010. INTRODUCTION TO OFFICERSHIP I.** (1-1-0). Introduction to the Reserve Officer Training Corps (ROTC) and the fundamental components of service as an officer; values, fitness, leadership, officership, communications theory and practice, and interpersonal relationships.

1011. **INTRODUCTION TO OFFICERSHIP LABORATORY.** (1-0-3). Hands on instruction in rappelling, mountaineering techniques, and equipment care. Includes participation in at least one field training exercise. With approval of the Professor of Military Science, the following courses may be used to satisfy Military Science 1011 and 1021 requirements: human performance activity courses, Human Performance 1110 or Equine Science 1700, 1701.
1020. **INTRODUCTION TO OFFICERSHIP II.** (1-1-0). Builds on fundamental components of service as an officer in the United States Army by focusing of leadership theory and decision making; problem solving, critical thinking, leadership theory, followership, group interaction, goal setting, and feedback mechanisms.
1021. **OFFICERSHIP II LABORATORY.** (1-0-3). Hands on instruction in advanced rappelling, mountaineering techniques, and equipment care. Includes participation in at least one field training exercise. With approval of the Professor of Military Science the following courses may be used to satisfy Military Science 1011 and 1021 requirements: human performance activities courses, Human Performance 1110 or Equine Science 1700, 1701.
1040. **RIFLERY.** (2-2-0). Marksmanship techniques; hands-on training with .22 rifle and pistol with emphasis on firearm safety.
2010. **OFFICER LEADERSHIP AND MANAGEMENT ROLES.** (2-2-0). Builds on fundamentals of leadership through practical exercise and examining several aspects of communication and leadership theory.
2011. **OFFICER LEADERSHIP AND MANAGEMENT ROLES LABORATORY.** (1-0-3). Physical fitness training and practical application of military skills learned in the classroom. Includes participation in at least one field training exercise.
2020. **BASIC LEADERSHIP.** (2-2-0). Provides extensive examination of the unique purpose, roles, and obligations of commissioned officers. It includes a detailed look at the origin of our institutional values and their practical application in decision making and leadership.
2021. **BASIC LEADERSHIP LABORATORY.** (1-0-3). Physical fitness training and practical exercises of leadership and military skills learned in the classroom. Includes participation in at least one field training exercise.
2030. **INTERMEDIATE MILITARY PHYSICAL FITNESS I.** (2-0-2). Development of the practical experience gained in the introduction to military physical fitness courses. Emphasis on conditioning and the FITT factors – frequency, intensity, time, and type.
2080. **PRACTICUM (BASIC CAMP).** (2 to 8-0-8). Six-week camp at an active Army installation under the direction and supervision of the active Army personnel. Basic military subjects and leadership experiences. Practical work in both garrison and in the field. Qualifies a student with no prior military science courses for entry into the Advanced ROTC Program. Prerequisite: consent of PMS.
3010. **ADVANCED MILITARY SCIENCE I.** (3-3-0). Builds leadership competencies through practical application of troop leading procedures, decision making and planning. Prerequisite: completion of 1010, 1020, 2010, 2020 or completion of Basic Camp or consent of the PMS.
3011. **ADVANCED MILITARY SCIENCE I LABORATORY.** (1-0-3). Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in classroom. Includes participation in at least three field training exercises and a social activity.
3020. **ADVANCED MILITARY SCIENCE II.** (3-3-0). Focused on doctrinal leadership and tactical operations at the small unit level. Includes opportunities to plan and conduct individual and collective skill training for offensive operations to gain leadership and tactical experience. Prerequisite: 3010, 3011 or consent of PMS.
3021. **ADVANCED MILITARY SCIENCE II LABORATORY.** (1-0-3). Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in the classroom. Includes participation in at least three field training exercises and a social activity.
3030. **PRACTICUM (SUMMER ADVANCED CAMP).** (6-0-6). Six-week advanced ROTC Camp at an active Army installation under direction and supervision of active Army personnel. Leadership experiences in garrison and in field designed to evaluate leadership potential under stressful conditions using formal Leadership Assessment Programs (LAP). Prerequisite: completion of 3010, 3011, 3020, 3021 and/or consent of PMS.
3040. **ADVANCED MILITARY PHYSICAL FITNESS I.** (3-0-3). Advanced practical exercises in Army physical fitness training. Practical experience in sustaining a training heart rate. Practical experience in leading platoons through progressively challenging physical fitness sessions.
4010. **ADVANCED MILITARY SCIENCE III.** (3-3-0). Concentrates of leadership, management, and ethics. Begins final transition from cadet to lieutenant. Prerequisite: consent of PMS.
4011. **ADVANCED MILITARY SCIENCE III LABORATORY.** (1-0-3). Advanced physical fitness training and practical exercises in leadership and Army staff relationship including thinking, analyzing, planning, deciding, and communicating. Plan and conduct at least three field training exercises, and a social event under faculty supervision.
4020. **ADVANCED MILITARY SCIENCE IV.** (3-3-0). Professional development subject areas designed to prepare students for commissioning in the United States Army. Foundation in the legal aspects of decision making and leadership, how to organize for operations from the tactical to strategic level, administrative and logistical management focusing on fundamentals of soldier and unit level support. Prerequisite: consent of PMS.
4021. **ADVANCED MILITARY SCIENCE IV LABORATORY.** (1-0-3). Advanced physical fitness training, practical exercises in leadership, command and staff operation, plan and conduct at least five field training exercises and a social event under faculty supervision.
4050. **READING AND CONFERENCE IN ADVANCED MILITARY SCIENCE.** (1-0-0). Independent reading and study of the art of military leadership and ethics. Conferences with assigned professor(s). Prerequisites: 4010, 4020 and consent of PMS.
4060. **PRACTICUM IN MILITARY STAFF PLANNING AND EXECUTION.** (1-0-2). Practical exercises in military staff planning and execution of selected ROTC activities exercises and/or leadership laboratories. Prerequisite: 4010, 4020 and consent of PMS.
4070. **READINGS AND REPORTS.** (1-0-0). Readings and book reports on issues and/or military subjects of contemporary significance for military leaders. Prerequisites: 4010, 4020 and consent of PMS.
4080. **PRACTICUM IN METHODS OF INSTRUCTION.** (1-0-2). Actual experience in preparing and presenting military science instruction on selected topics under instructor supervision. Prerequisite: 4010, 4020 and consent of PMS.

MUSIC (MUS)

For Undergraduates Only

For Non-Music Majors

- 1010. CLASS PIANO FOR NON-MUSIC MAJORS.** (3-3-0). Basic note reading; chords for harmonizing melodies and demonstrating techniques and methods in classroom music; for elementary education majors. Open to any student.
- 1020. CLASS PIANO FOR NON-MUSIC MAJORS II.** (3-3-0). Continuation of 1010. Development of reading ability at the keyboard, simple improvisation, and harmonization. Music literature suitable for the elementary classroom teacher or beginning pianist. Open to any student.
- 1040. CLASS GUITAR FOR NON-MUSIC MAJORS.** (3-3-0). Basic guitar skills and music reading; use of chords for harmonizing melodies and demonstrating techniques and methods for use in classroom music; for elementary education majors. Open to any student. Prerequisite or corequisite: 2100 or consent of instructor.
- 1700. MINOR STUDY.** (1 or 2-0-1/2 or 1). Private lessons for non-music majors. See the performance instruction section for individual instrument or voice letter designation to be added to the 1700 course section number.
- 3600. HISTORY OF AFRICAN-AMERICAN MUSIC.** (3-3-0). A study of the history of African-American music from its African roots to the present. A particular emphasis is placed on the last century of contemporary music, the artist who perform it and the social significance and power of each. Prerequisite: Fine Arts 1040, equivalent, or consent of instructor.

Performance Ensembles

For music majors, minors and students not majoring in music. Music ensemble courses may be repeated for credit. Prerequisite: consent of instructor.

The following are extra-curricular courses:

- 1300. PEP BAND.** (1 or credit-3-0).
- 1310. BAND.** (1 or credit-6-0).
- 1320. CHORALE.** (1 or credit-2-0).
- 1330. CHAMBER CHOIR.** (1 or credit-3-0).
- 1340. ORCHESTRA.** (1 or credit-4-0).
- 1350. STRING ENSEMBLE.** (1 or credit-2-0).
- 1360. JAZZ ENSEMBLE.** (1 or credit-3-0).
- 1370. OPERA THEATER.** (1 or credit-4-0).
- 1380. WOMEN'S CHORUS.** (1 or credit-3-0).
- 1390. BRASS ENSEMBLE.** (1 or credit-2-0).
- 1400. PERCUSSION ENSEMBLE.** (1 or credit-2-0).
- 1410. WOODWIND ENSEMBLE.** (1 or credit-2-0).
- 1420. VOCAL ENSEMBLE.** (1 or credit-4-0).
- 1430. UNIVERSITY CHOIR.** (1 or credit-3-0).
- 1440. ACCOMPANYING.** (1 or credit-3-0).
- 1450. MUSIC THEATRE.** (1 or credit-3-0).

For Undergraduates Only

Music Majors and Minors

- 1000. INTRODUCTION TO MUSIC THEORY.** (3-3-0). For beginning music students who need additional training and review prior to entering Music 1150. The Great Staff; notes and note-values; key signatures; intervals, simple and compound meter; elementary sight singing, ear training and dictation; simple keyboard exercises; rudimentary musical terms; basic elements of form.

- 1150. MUSIC THEORY I.** (2-3-0). Written theory skills will be developed in the areas of: scales, key signatures, rhythm and meter, cadences, part-writing, harmonizing melodies and triads. Prerequisite: consent of instructor.
- 1151. AURAL SKILLS I.** (1-0-2). Sight singing skills will be developed employing solfege, emphasizing diatonic melodies and scales. Ear training skills concerning rhythmic dictation, chord qualities, and harmonic dictation will be developed. Prerequisite: registration in or credit for 1150.
- 1160. MUSIC THEORY II.** (2-3-0). Written theory skills will be developed in the areas of: harmonic progressions, non-harmonic tones, cadences, diatonic seventh chords, and secondary dominants. Prerequisite: grade of "C" or better in 1150.
- 1161. AURAL SKILLS II.** (1-0-2). Sight singing skills will be continued with an emphasis on minor melodies and chords. Ear Training skills will include melodic and rhythmic dictation, adding four-part harmonic dictation. Prerequisite: registration in or credit for 1160, and a grade of "C" or better in 1151.
- 1210. FRENCH DICTION.** (1-1-0). Prerequisite: 1230.
- 1220. GERMAN DICTION.** (1-1-0). Prerequisite: 1230.
- 1230. ENGLISH/ITALIAN DICTION.** (1-1-0). Aural and written skills of the International Phonetic Alphabet. Applications of this phonetic transcription method to English and Italian diction, relative to singers and choral conductors.
- 1500. RECITALS AND CONCERTS.** (0-0-0). Required attendance at recitals and concerts for all music majors. May be repeated.
- 2030. MUSIC HISTORY/LITERATURE I.** (2-2-1). An examination of music history/literature in Western culture from the Greco-Roman era through the 1400's.
- 2040. MUSIC HISTORY/LITERATURE II.** (2-2-1). An examination of music history/literature in Western culture from the high Renaissance through the Baroque era. Prerequisite: grade of "C" or better in 2030 or consent of instructor.
- 2070. INTRODUCTION TO MUSIC LITERATURE I.** (2-3-0). Music from the pre-Christian era through the classical period, with an emphasis on listening skills in terms of style, period, genre. Prerequisite: 1000 or 1150.
- 2080. INTRODUCTION TO MUSIC LITERATURE II.** (2-3-0). Continuation of 2070, representing music from the Romantic era to the present time. Prerequisite: 1050, 2070.
- 2100. KINDERGARTEN AND ELEMENTARY SCHOOL MUSIC.** (2 or 3-3-0). Fundamental skills and materials of music for pre-school through upper elementary grades.
- 2110. INSTRUMENTAL PEDAGOGY FOR THE MUSIC CLASSROOM.** (1-2-0). A survey of wind, percussion, and string instruments designed to aid vocal educators in instrumental music instruction. Emphasis will be placed on knowledge of the function of instruments and integrating them into vocal music programs. Prerequisite: consent of instructor.
- 2120. CHURCH MUSIC: HISTORY I.** (2-2-0). A lecture/seminar course designed to introduce the student to the history of church music from biblical times to the present, including contemporary trends in church music. The course is not structured toward or restricted to any particular denomination and will include the music of both Christian and Judaic traditions. This course is designed for students interested in working in church music, as organists, organist-choirmasters, choir directors, ministers of music, and other aspects music in corporate worship. No prerequisite required; keyboard skills is helpful, but not essential.
- 2130. CHURCH MUSIC: HISTORY II.** (2-2-0). Continuation of 2120.

- 2150. MUSIC THEORY III.** (2-3-0). Written theory skills will be developed in the areas of: modulation, binary and ternary forms, diminished triads and seventh chords, transposition, borrowed chords, augmented chords. Ability to play modulations and chord progressions on the piano is essential. Prerequisite: grade of "C" or better in 1160.
- 2151. AURAL SKILLS III.** (1-0-2). This course continues to develop aural skills learned in 1151 and 1161. Emphasis will be placed on ability to sing in solfege—diatonic, nondiatonic, and modulating melodies—and the ability to aurally recognize melodies and chord progressions. Prerequisite: registration in or credit for 2150, and a grade of "C" or better in 1161.
- 2160. MUSIC THEORY IV.** (2-3-0). Continuation of 2150. Secondary dominant chords; secondary leading tone triads and 7th chords; augmented triads and the Neapolitan 6th chord; augmented 6th chords of the 9th, 11th, and 13th; advanced modulation. Prerequisite: grade of "C" or better in 2150.
- 2161. AURAL SKILLS IV.** (1-0-2). Continuation of 2151. Aural skills will be developed by singing in solfege—atonal melodies, modal melodies, and further chromaticism. Harmonic dictation will consist of 4-part chordal progressions. Prerequisite: registration in or credit for 2160 and a grade of "C" or better in 2151.
- 3020. COUNTERPOINT.** (3-3-0). Writing of chorale preludes, inventions and fugues in two, three, and four voices, based on 18th-century practice; contemporary contrapuntal techniques including those based on modal writing, synthetic scales, polytonality, and serial techniques. Prerequisite: 2160.
- 3030. MUSIC HISTORY/LITERATURE III.** (2-2-1). An examination of music history/literature in Western culture from the Enlightenment into the Romantic era. Prerequisite: grade of "C" or better in 2040 or consent of instructor.
- 3040. MUSIC HISTORY/LITERATURE IV.** (2-2-1). An examination of music history/literature in Western culture from the late Romantic era to the present day. Prerequisite: grade of "C" or better in 3030 or consent of instructor.
- 3070. HISTORY OF MUSIC I.** (3-3-0). Evolution of music history, with reference to periods, style, and form, in the context of the artistic, political, and social development of Western civilization. Periods represented include Greco-Roman through the Baroque. Prerequisite: 2070, 2080.
- 3080. HISTORY OF MUSIC II.** (3-3-0). Continuation of 3070. Represents Western music from the classical era through the 20th century. Prerequisite: 3070.
- 3090. TECHNIQUES OF CONDUCTING.** (2-2-0). Basic elements of conducting relating to various media of performance. Prerequisite: 2040 and 2160.
- 3100. CHORAL CONDUCTING.** (2-2-0). Techniques of conducting choral groups. Score analysis, interpretation and problems of presentation, rehearsal and performance. Prerequisite: 3090.
- 3110. INSTRUMENTAL CONDUCTING.** (2-2-0). Techniques of conducting instrumental groups. Score analysis, interpretation and problems of preparation, rehearsal and performance. Prerequisite: 3090.
- 3120. CHURCH MUSIC: LITURGICS.** (2-2-0). A survey of liturgy and the formats of public worship within the Judeo-Christian tradition. The course will cover the development of liturgy from the Hebrew temple and synagogue traditions to the present with emphasis on contemporary worship styles.
- 3130. CHURCH MUSIC: HYMNODY.** (2-2-0). A lecture/seminar course designed to introduce the student to the history, development and basic styles of Christian hymns. The course is not structured toward or restricted to any particular denomination. This course is designed for students interested in working in church music as organists, pianists, choir director, organist-choirmasters, ministers of music, choir singers or any other aspect of church music. Keyboard skills is helpful, but not essential.
- 3720. JUNIOR RECITAL.** (1-1-0). Preparation and performance of a public recital. Elective in all music curricula, and may be given in the student's major and/or minor performance area(s). Approval of performance faculty based on a recital preview jury is required for completion of the course. Prerequisite: junior standing in music and consent of major professor. Corequisite: 1710, 3710.
- 4010. FORM AND ANALYSIS.** (3-3-0). Skill will be developed in the recognition of basic, intermediate, and large scale formal structures. Sections of compositions, along with entire works, will be analyzed to gain the ability to recognize and understand phrase and period construction, as well as binary, ternary, and other forms. Prerequisite: 2040, 2160.
- 4050. INSTRUMENTATION.** (3-3-0). Instruments in band and orchestra; scoring for band and orchestra; arranging music for band and orchestra, including assignments dealing with needs and limitations of public-school organizations. Prerequisite: 2160.
- 4120. CHURCH MUSIC: ADMINISTRATION.** (2-2-0). A practical exploration of the administrative aspects of directing a church music program. The course is designed for students interested in church music and will provide guidelines for organizing and directing musical activities in churches. The course is broad-based and is not restricted to any particular denomination.
- 4300. PIANO ENSEMBLE LITERATURE.** (1-1-0). Music written for piano, two pianos and piano four hands. Prerequisite: consent of instructor.
- 4390. PERFORMANCE LITERATURE.** (3-3-0).
Subtitles:
01-instrumental
02-piano
03-vocal
Materials and repertoire of the major performance areas. Prerequisite: consent of instructor.
- 4490. PIANO LITERATURE II.** (2-2-0). This course is designed to study keyboard compositions from approximately 1800 to the present time. The life and works of composers from each artistic period as well as different recordings of piano music will be discussed.

On the basis of a placement test, entering students will be sectioned and required to complete two or three courses in freshman music theory. Six hours of freshman music theory are required of all majors, and the required courses must be taken in sequence. For students who take nine hours of freshman music theory, three hours will be added to the number required for graduation. There will be no change in the amount of theory required beyond the freshman year.

Instrumental-Vocal Techniques and Materials

- 1650. KEYBOARD SKILLS.** (1-2-0). Prerequisite: consent of instructor.

PIANO CLASSES. Group instruction in piano for music majors only. Prerequisite: consent of instructor.

- 1800. PIANO CLASS.** (1-2-0).
1810. PIANO CLASS. (1-2-0).
1820. PIANO CLASS. (1-2-0).
1830. PIANO CLASS. (1-2-0).

INSTRUMENT CLASSES. Performance and teaching techniques, study of performance and teaching literature, information and materials on the selection, use, and maintenance of instruments and accessory equipment.

- 1840. WOODWIND CLASS I.** (2-3-0).
- 1850. WOODWIND CLASS II.** (2-3-0).
- 1860. BRASS CLASS I.** (2-3-0).
- 1870. BRASS CLASS II.** (2-3-0).
- 1880. STRING CLASS I.** (2-3-0).
- 1890. PERCUSSION CLASS I.** (2-3-0).
- 1900. GUITAR CLASS.** (2-3-0).
- 1910. VOICE CLASS.** (2-2-0). Group instruction in voice. Open to non-music majors. May be repeated for credit. Prerequisite: consent of instructor.
- 1920. STRING CLASS II.** (2-2-1). Continuation of Music 1880 String Class I. Further development of playing techniques for violin, viola, cello, and string bass. Prerequisite: 1800.
- 1930. PERCUSSION CLASS II.** (2-2-1). Continuation of Music 1890 Percussion Class I. Further development of playing techniques for all melodic and battery percussion. Prerequisite: 1890.

Performance Instruction

Private Lessons.¹ The individual curriculum for each degree program prescribes the level and number of hours credit for major and minor study. Add to the section number of the course 1700, 1710, or 3710 the letter representing the performance area from the following:

- A-piano
- B-organ
- C-voice
- D-flute
- E-oboe
- F-clarinet
- G-bassoon
- H-saxophone
- J-trumpet
- K-trombone
- L-euphonium
- M-tuba
- N-percussion
- P-violin
- Q-violoncello
- R-cello
- S-double bass
- T-harp
- U-harpsichord
- V-guitar
- W-French horn
- X-Conducting

Private lesson course numbers may be repeated as needed to complete degree requirements.

- 1700. MINOR STUDY.** (1 or 2-0-1/2 or 1). Lower-level private lessons in minor areas, and for the non-music major. Prerequisite: consent of instructor.
- 1710. MAJOR STUDY.** (2 or 3-0-1). Lower-level private lessons in major areas for the music major. Prerequisite: consent of instructor.
- 3710. MAJOR STUDY.** (2 or 3-0-1). Upper-level private lessons in major areas for the Music major. Bachelor of Music majors (performance concentration) enroll for 3 credit hours; all others enroll for 2 credit hours. Prerequisite: four semesters of MUS 1710 with a "C" or better, and consent of applied music faculty.

- 4720. RECITAL.** (2-0-0). Preparation and performance of a public recital. Required for the Bachelor of Music degree, elective in other music curricula. Approval of the performance faculty based on a recital preview jury is required for completion of this course. Prerequisite: senior standing in a music curricula and consent of major professor. Corequisite: 3710.

¹ One hour a day of practicing for each hour of credit is required; the amount of literature to be learned and memorized will vary in proportion to the amount of credit earned.

For Undergraduates and Graduates

- 4060. TWENTIETH-CENTURY MUSIC.** (3-3-0). Music of major composers and schools of composition from Debussy to present. Literature and analytical techniques. Writing in contemporary idioms. Prerequisite: 2160 and 2040.
- 4070. COMPOSITION I.** (3-3-0). Writing of songs and short choral and instrumental pieces. Prerequisite: 2060.
- 4080. COMPOSITION II.** (3-3-0). Continuation of 4070.
- 4150. PEDAGOGY.** (3-3-0).
Subtitles:
01-instrumental
02-piano
03-vocal
Materials and methods for teaching individuals and groups. May be repeated for up to six hours credit. Prerequisite: consent of instructor.
- 4200. MUSIC TECHNOLOGY.** (3-2-1). Overview of hardware and software; vocabulary and understanding of music technology; MIDI, sequencing, digital sound sampling and editing; music notational software. Prerequisite: Music major or minor; junior classification.
- 4250. INSTRUMENT MAINTENANCE AND REPAIR.** (3-3-0). For instrumental music education majors. Emergency and basic instrument repair, including soldering, repadding, dentwork, and adjustments. Care and preventive maintenance of brass, woodwind, and percussion instruments. Prerequisite: junior standing.
- 4400. SOUND RECORDING.** (3-3-1). Theory and practice of audio recording, microphone selection and placement, mixing, equalization, compression, re-dubbing, mixing down. Prerequisite: consent of instructor.

For Graduates Only

- 5010. PRACTICAL REVIEW OF HARMONY/MUSICAL ANALYSIS/MUSIC HISTORY AND LITERATURE.** (3-3-0). Review course material covered in: 1150, 1160, 2150, 2160, (harmony) and/or 4010 (analysis) and/or 2030, 2040, 3030, 3040 (history & literature). Not for degree credit.
- 5020. ADVANCED FORM AND ANALYSIS.** (3-3-0). Individual projects in analysis and class discussion of representative works on large forms from all periods. Prerequisite: 4010 or equivalent.
- 5040. INSTRUMENTAL ARRANGING.** (3-3-0). Practical band arranging; orchestration for average school situations with full instrumentations.
- 5060. CHORAL ARRANGING.** (3-3-0). Secular and sacred choral literature form and harmonic structure; extension of individual creative ability by arranging of assigned melodies for different voicing; good choral sounds and effects; voice problems and techniques.
- 5070. CHAMBER MUSIC.** (1-2-0). Performance of important works composed for small combinations of instruments and/or voices. May be repeated for credit. Credit may not apply toward any degree.

- 5230. ADVANCED CONDUCTING.** (3-3-0). Examination of scores with reference to rehearsal and interpretive problems. Experience with instrumental and choral ensembles, both separately and in combination. Repertoire appropriate to concert performance.
- 5280. ENSEMBLE PERFORMANCE.** (1-0-0). Problems of public performance from viewpoint of the conductor-director. Practical experience with performing ensembles. May be repeated for credit. Credit may not apply toward any degree.
- 5300. MEDIEVAL AND RENAISSANCE MUSIC.** (3-3-0). History of Western music to about 1600; representative compositions.
- 5310. MUSIC IN THE BAROQUE ERA.** (3-3-0). Development of homophonic and contrapuntal styles of the 17th and 18th centuries; beginning of opera, oratorio, chamber and orchestral music, and solo literature.
- 5320. MUSIC IN THE CLASSICAL PERIOD.** (3-3-0). Development of sonata form; emergence of modern orchestra and chamber music ensembles; representative works from literature of the period.
- 5330. MUSIC IN THE ROMANTIC PERIOD.** (3-3-0). Western music of the 19th century, including further development of sonata form, the symphony, opera, solo song, free forms, and program music.
- 5340. STUDIES IN THE HISTORY OF VOCAL MUSIC.** (3-3-0). Vocal idioms of all stylistic periods. Larger vocal forms of mass, cantata, oratorio, and opera.
- 5350. STUDIES IN THE HISTORY OF INSTRUMENTAL MUSIC.** (3-3-0). Instrumental forms of all stylistic periods. Larger instrumental forms of orchestral and wind ensembles.
- 5390. PERFORMANCE LITERATURE.** (3-3-0).
Subtitles:
01-instrumental
02-piano
03-vocal
Materials and repertoire of the major performance areas. May be repeated for up to six hours.
- 5400. SPECIAL PROBLEMS.** (1 to 3-3-0). Techniques and literature. Scheduled by counsel and student's advisor. May be repeated for credit. No more than six credit hours to be applied toward degree.
- 5900. INTRODUCTION TO MUSIC RESEARCH.** (3-3-0). Students will discuss and examine research methods commonly used in the study of music. Students will be expected to identify relevant references, build bibliographies, learn APA style, and develop methods and approaches to selecting a topic. A research paper is required. Prerequisite: graduate standing in music or consent of instructor.
- 5970. PERFORMANCE DOCUMENT.** (2-0-0). Students must be continuously enrolled in MUS 5970 for fall/spring (excluding summers) until the Performance Document is complete.
- 5980. THESIS.** (1 to 6-0-0).

Performance Instruction

Private Lessons.¹ The individual curriculum for each degree program prescribes the level and number of hours credit for major and minor study. Add to the section number of the course 5700, or 5710, the letter representing the performance area selected from the following:

- A-piano
- B-organ
- C-voice
- D-flute
- E-oboe
- F-clarinet

- G-bassoon
- H-saxophone
- J-trumpet
- K-trombone
- L-euphonium
- M-tuba
- N-percussion
- P-violin
- Q-violoncello
- R-cello
- S-double bass
- T-harp
- U-harpischord
- V-guitar
- W-french horn
- X-conducting

Private lesson course numbers may be repeated as needed to complete degree requirements.

- 5700. MINOR STUDY.** (1 or 2-0-1/2 or 1). Private lessons in minor areas, and for the non-music major. Prerequisite: consent of instructor.
- 5710. MAJOR STUDY.** (2 or 3-0-1). Private lessons in major areas for the music major. Prerequisite: consent of instructor.
- 5720. GRADUATE RECITAL.** (2-0-0). Preparation and performance of a public recital. Required of performance majors, elective in other curricula. Prerequisite: consent of performance faculty based on pre-recital jury.

¹ One hour a day of practice for each hour of credit is required; the amount of literature to be learned and memorized will vary in proportion to the amount of credit earned.

MUSIC EDUCATION (MUED)

For Undergraduates Only

- 2020. FOUNDATIONS OF MUSIC EDUCATION.** (3-3-0). Historical, social, philosophical foundations of music education and education; music ensembles organization and administration; opportunities, requirements, and ethics in the teaching profession; observation and participation in schools. This is a required course for all music education majors, vocal and instrumental, which provides an overview of the total public school music program.
- 3140. PRINCIPLES OF TEACHING MUSIC.** (3-3-1). Theory, organization, and practice of music teaching skills. Techniques of planning, instruction, media, evaluation, rehearsal management, and technology in music. Includes field experience component. Prerequisite: admission to candidacy in teacher education, MUED 2020, EPSY 3000, credit for or concurrent enrollment in EPSY 3010.
- 4010. SECONDARY METHODS FOR TEACHING MUSIC.** (3-3-1). Application of music methods to the teaching process; emphasis on effective teaching strategies, classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations. Includes a field experience component. Prerequisite: Admission to candidacy for degree in teacher education; completion of MUED 3140 with a grade of C or better; completion of at least one semester of MUS 3710 with a grade of C or better.

Subtitles:

- 01-instrumental
- 02-vocal

For Undergraduates Only

- 4110. ELEMENTARY MUSIC METHODS.** (3-3-1). Application of music methods to the teaching process; emphasis on effective teaching strategies including Orff, Kodaly, Suzuki, and Dalcroze pedagogies; classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations. Includes a field experience component. Prerequisite: Admission to candidacy for degree in teacher education; completion of MUED 3140 with a grade of C or better.
- 4220. MARCHING BAND TECHNIQUES.** (3-3-0).
- 4230. BAND DIRECTORS WORKSHOPS.** (3-3-0). May be repeated for up to six hours credit.
Subtitles:
01-advanced marching band techniques
02-rehearsal techniques
03-instrument clinic
04-instrument repair
05-materials and literature
- 4460. BAND LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: consent of instructor.
- 4480. ORCHESTRAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: consent of instructor.
- 4520. CHORAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: consent of instructor.

For Graduates Only

- 5000. SEMINAR IN MUSIC EDUCATION.** (3-3-0). Students will be required to participate in group discussions and individual conferences regarding current issues and research in music education. They will also investigate problems and/or special topics in their emphasis areas. Subjects for theses, performance documents and/or articles for publication will be explored.
- 5200. ADMINISTRATION AND SUPERVISION OF INSTRUMENTAL GROUPS.** (3-3-0). Organization and administration of public school bands and orchestras; rehearsal methods and techniques; library systems; program planning and building, and substitutions of instruments; plans and techniques of class instrument instruction; selecting, buying, and caring for school instruments; marching-band problems.
- 5270. ADMINISTRATION AND SUPERVISION OF VOCAL MUSIC GROUPS.** (3-3-0). Choral ensemble; organization; rehearsal and vocal techniques. Improvement of instruction; public relations; problems in scheduling, budget, and finance.
- 5490. MUSICAL INSTRUMENTS FOR THE ELEMENTARY SCHOOL.** (3-3-0). Instruction in the Orff Instruments, ukulele and other instruments suitable for teaching in the elementary school. Music reading and use of chords for harmonizing approximately 150 songs. Prerequisites: 2100 or equivalent and consent of instructor.
- 5550. CLASSROOM MUSIC.** (3-3-0). Music in the elementary classroom; philosophies, aims, concepts of music education; choosing and organizing teaching materials; development of skills in teaching music.
- 5600. GENERAL MUSIC.** (3-3-0). Philosophies and methods of the general music class as propounded by leading authorities in the field; music literature arranged and compiled especially for the general music class.

- 1050. HISTORY, ISSUES, AND TRENDS IN NURSING.** (1-1-0). A non-clinical course designed to introduce students to nursing; discusses historical and current issues in nursing and their effect on nursing practice. Topics included provide the basis for understanding the practice of nursing. Corequisites: registration in or credit for English 1010, Mathematics 1020, Chemistry 1070, Zoology 1220, Orientation 1010 or consent of the Dean.
- 1060. TECHNICAL NURSING TRANSITION.** (3-3-0). This course provides a framework for assisting transition from an LPN (LVN) to an associate degree nurse. Credit not allowed for more than one course from 1060 and 1050. Prerequisites: English 1010, 1020, Mathematics 1020, 1060, Chemistry 1070, Zoology 1220, 1230, Orientation 1010, and fulfillment of Associate Degree Nursing Program admission criteria. Corequisites: registration in or credit for Microbiology 1100, Sociology 1010.
- 1100. INTRODUCTION TO NURSING.** (4-4-0). Provides the foundation upon which all subsequent nursing courses are developed. The nurse's role in meeting man's basic needs, including an introduction to the nursing process and the concepts of comfort, rest, and sleep. Prerequisites: successful completion of the first semester of Associate Degree Nursing curriculum; fulfillment of Associate Degree Nursing Program admission criteria. Corequisites: 1110, registration in or credit for English 1020, Mathematics 1060, Zoology 1230. Enrollment is by a selection process based on special admission criteria.
- 1110. INTRODUCTION TO NURSING SKILLS.** (3-1-6). Provides the foundation upon which subsequent technical skills are developed. Acquisition of competency in nursing skills in a supervised laboratory setting. Limited clinical laboratory practice will be arranged in selected health care agencies. Prerequisites: successful completion of first semester of Associate Degree Nursing curriculum; fulfillment of Associate Degree Nursing Program admission criteria. Corequisites: 1100, registration in or credit for English 1020, Mathematics 1060, Zoology 1230. Enrollment is by a selection process based on special admission criteria.
- 1500. NURSING CONCEPTS I.** (4-4-0). The nursing process in assisting clients to meet the basic needs of elimination, mobility, and nutrition. Prerequisites: 1100, 1110. Corequisites: 1510, registration in or credit for Microbiology 1100, Sociology 1010.
- 1510. APPLICATION OF THE NURSING PROCESS I.** (3-0-9). Application of the nursing process in the care of selected clients with threats to elimination, mobility, and nutrition needs. Clinical laboratory practice in health care agencies will be arranged. Prerequisite: 1100, 1110. Corequisites: 1500, registration in or credit for Microbiology 1100, Sociology 1010.
- 2100. NURSING CONCEPTS II.** (5-5-0). The nursing process in assisting clients to meet the basic needs of safety and sexuality. Prerequisites: 1500, 1510; or 1060. Corequisites: 2110, registration in or credit for Psychology 2050.
- 2110. APPLICATION OF THE NURSING PROCESS II.** (4-0-15). Application of the nursing process in the formulation and organization of care of selected clients with threats to the basic needs of safety and sexuality. Clinical laboratory practice in health care agencies will be arranged. Prerequisite: 1500, 1510; or 1060. Corequisites: 2100, registration in or credit for Psychology 2050.

- 2160. CULTURAL AND ETHICAL INFLUENCES ON HEALTH CARE.** (2-2-0). To provide a foundation for the provision of ethical, culturally sensitive health care. Professional values, cultural, and ethical influences on professional practice will be discussed. Prerequisite: Completion of the first two semesters of the B.S.N. or consent of the Dean of the College of Nursing. Enrollment in this course does not guarantee admission to clinical nursing courses.
- 2170. METHODS OF MEDICATION DOSAGE CALCULATION.** (1-1-0). Application of mathematical methods to calculate medication dosage prescribed for clients across the lifespan. Prerequisite: Completion of the first two semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Enrollment in this course does not guarantee admission to clinical nursing courses.
- 2500. NURSING CONCEPTS III.** (5-5-0). The nursing process in assisting clients to meet the basic needs of oxygenation and circulation. Prerequisites: 2100, 2110. Corequisites: 2510, registration in or credit for 2550.
- 2510. APPLICATION OF THE NURSING PROCESS III.** (5-0-15). Application of the nursing process in the formulation, organization, and evaluation of care for selected groups of clients with threats to oxygenation/circulation and other threats to basic needs. Principles of client management will be included. Prerequisites: 2100, 2110. Corequisites: 2500, registration in or credit for 2550.
- 2550. HUMANISTIC NURSING CARE.** (1-1-0). Designed to sensitize students to the psychosocial and cultural implications of humanistic nursing care and to provide a study in communication skills. Prerequisites: 2100, 2110. Corequisites: registration in or credit for 2500, 2510 or consent of the Dean of the College of Nursing.
- 3020. INDEPENDENT STUDY IN NURSING.** (1-1-0). Specialized studies relevant to the baccalaureate nursing curriculum to meet specific learning needs of students. May be repeated up to three hours of credit. Grading pass/fail. May not be utilized to meet degree requirements. Prerequisite: admission to the baccalaureate nursing program and consent of department head.
- 3030. NURSING AS A PROFESSION.** (2-2-0). Introduction to professional nursing within the health care system. Nursing process, critical thinking, communication, and teaching-learning processes of nursing are introduced. Prerequisite: Must meet eligibility requirements for application to clinical nursing courses including completion of the first three semesters of the B.S.N. curriculum pattern, 2.7 GPA in courses required for the B.S.N. degree or consent of the Dean of the College of Nursing. Enrollment in this course does not guarantee enrollment in clinical nursing courses.
- 3031. BASIC NURSING SKILLS LAB.** (1-0-3). Supervised performance of basic nursing activities in a laboratory setting. Prerequisite: Completion of the first three semesters of the B.S.N. curriculum, admission to B.S.N. clinical component or consent of the Dean of the College of Nursing. Registration in or credit for NURB 3030, 3040, 3041, 3050, 3060, 3061.
- 3040. FOUNDATIONS OF NURSING.** (3-3-0). Basic concepts essential to administration of safe and effective nursing care to individuals. Prerequisite: Completion of first three semesters of the B.S.N. curriculum pattern, admission to B.S.N. clinical components or consent of the Dean of the College of Nursing. Credit or registration in NURB 3030, 3031, 3050, 3060, 3061. Corequisite: NURB 3041.
- 3041. FOUNDATIONS OF NURSING PRACTICUM.** (2-0-6). Supervised performance of basic nursing activities in health care settings. The focus of care is the individual. Clinical practice is planned to provide students with opportunities to apply the nursing process, communication skills, and psychomotor skills to perform basic nursing activities. Prerequisite: Completion of the first three semesters of the B.S.N. curriculum, admission to B.S.N. clinical component or consent of the Dean of the College of Nursing. Registration in or credit for NURB 3030, 3031, 3050, 3060, 3061. Corequisite: NURB 3040.
- 3050. CONCEPTS OF ALTERED HEALTH STATES.** (3-3-0). Provides the nursing student with foundational knowledge of selected alterations in body functions which result in changes in health status. Prototype pathophysiologic processes are introduced. Prerequisite: Must meet eligibility requirements for application to clinical nursing courses including completion of the first three semesters of the B.S.N. curriculum pattern, 2.7 GPA in courses required for the B.S.N. degree or consent of the Dean of the College of Nursing. Enrollment in this course does not guarantee enrollment in clinical nursing courses.
- 3060. HEALTH ASSESSMENT ACROSS THE LIFESPAN.** (2-2-0). The knowledge and techniques related to physical assessment of clients across the lifespan with an emphasis on expected findings. Prerequisite: Completion of the first three semesters of the B.S.N. curriculum, admission to B.S.N. clinical component or consent of the Dean of the College of Nursing. Co-registration in or credit for NURB 3030, 3050. Co-requisite: NURB 3061.
- 3061. HEALTH ASSESSMENT ACROSS THE LIFESPAN LAB.** (1-0-3). Supervised performance of techniques related to physical assessment of clients across the lifespan in a laboratory setting. Prerequisite: Completion of the first three semesters of the BSN curriculum, admission to BSN clinical component or consent of the Dean of the College of Nursing. Registration or credit for 3030 and 3050. Corequisite: 3060.
- 3100. TRANSITION TO PROFESSIONAL NURSING.** (3-3-0). A non-clinical course. This course provides the framework for assisting the transition from technical nurse to professional nurse. Credit not allowed for more than one course from 3100 and 3070. Prerequisite: completion of the first two semesters of general education courses in the Bachelor of Science in Nursing curriculum.
- 3112. INDEPENDENT STUDY FOR REGISTERED NURSES.** (1 to 3-3-0). Supervised self-directed study to explore selected issues affecting professional nursing practice. Prerequisites: Limited to registered nurses that have completed the first semester of the curriculum pattern or consent of the Dean.
- 3120. HEALTH CARE INFORMATION MANAGEMENT.** (2-2-0). Introduction to health information systems and health care technologies utilized by nurses to enhance nursing care provided to individuals, families, and communities. Prerequisite: Successful completion of courses listed in the second semester sophomore B.S.N. curriculum pattern or consent of the Dean of the College of Nursing.
- 3122. DIMENSIONS OF PROFESSIONAL NURSING.** (4-4-0). Professional, socioeconomic, ethical, legal, and legislative issues influencing professional nursing practice. Prerequisites: Limited to registered nurses that have completed the first semester of the curriculum pattern or consent of the Dean.

- 3130. ADULT HEALTH NURSING.** (3-3-0). Explores the application of the nursing process to adults experiencing surgical, immune, nutritional, hepatic, endocrine, oxygenation, cardiovascular, urinary elimination, mobility, and sensory-perceptual problems. Prerequisite: Successful completion of all courses in the first four semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Registration in or credit for NURB 3120, 3131, 3150, and ENGL 2050 or 2060 or 2070 or 2080. Corequisite: NURB 3141.
- 3131. NURSING SKILLS LAB II.** (1-0-3). Supervised performance of complex nursing procedures in a laboratory setting. Prerequisite: Completion of the first four semesters of the B.S.N. curriculum or consent of the Dean of the College of Nursing; registration in or credit for NURB 3120, 3130, 3150; ENGL 2050 or 2060 or 2070 or 2080.
- 3141. ADULT HEALTH NURSING PRACTICUM.** (3-0-9). Application of the nursing process in acute care and community-based environments to care for adults with surgical, immune, nutritional, hepatic, endocrine, oxygenation, cardiovascular, urinary elimination, mobility, and sensory-perceptual problems. Prerequisite: Completion of the first four semesters of the B.S.N. curriculum or consent of the Dean of the College of Nursing; registration in or credit for NURB 3120, 3131, 3150. Corequisite: NURB 3130.
- 3150. PHARMACOLOGY IN NURSING.** (3-3-0). An overview of the basic principles of pharmacology for the registered nurse. A review of major drug classifications will include an emphasis on nursing implications. Prerequisite: successful completion of the first four semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing.
- 3201. EXPERIENCES IN CLINICAL NURSING PRACTICE.** (4-0-12). This course is designed to expand current clinical knowledge and skills through one-on-one nurse-student interactions within the patient care setting. Clinical experiences will focus on enhancing clinical skills, implementing the nursing process, and developing the professional role. The student will increase clinical competency by experiencing pragmatic nursing practice. Prerequisites: Completion of either Nursing 2100 and Nursing 2110; or Nursing 3220 and Nursing 3221; or Nursing 3230 and Nursing 3231; or permission of the Dean of the College of Nursing.
- 3220. CHILD HEALTH NURSING.** (2-2-0). Child health promotion, assessment, and nursing management from infancy through adolescence. To include developmental considerations, family theories, sociocultural factors, age-related risks to health, and common childhood health problems. Emphasis on the nurse advocacy role in individual, family based, and societal issues of child health. Prerequisite: successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 3221.
- 3221. CHILD HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process to the care of children and families in acute care and community based settings. Prerequisite: successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 3220.
- 3223. HEALTH ASSESSMENT FOR REGISTERED NURSES.** (3-2-1). Theoretical foundations and clinical skills related to biophysical, psychological, spiritual, sociocultural and risk assessment of individuals across the lifespan. Prerequisites: Limited to registered nurses that have completed the first semester of the curriculum pattern or consent of the Dean.
- 3224. INTRODUCTION NURSING RESEARCH FOR REGISTERED NURSES.** (3-3-0). The research process and its application to evidenced-based practice are examined. Current research studies are critiqued and research findings are evaluated and utilized in clinical practice. Prerequisites: Successful completion of the six semesters of the BSN curriculum pattern or consent of the Dean of the College of Nursing. Corequisite or credit in PSYC 4400.
- 3225. EDUCATIONAL IMPLICATIONS FOR PROFESSIONAL NURSING.** (2-2-0). Basic principles of teaching and learning; characteristics of the learner, learning needs assessment, and techniques/strategies for planning, implementing, and evaluating patient and staff educational activities. Prerequisites: Limited to registered nurses that have completed the first semester of the curriculum pattern or consent of the Dean.
- 3230. CARE OF WOMEN AND THE CHILDBEARING FAMILY.** (2-2-0). Explores theories, concepts, knowledge, and skills for comprehensive nursing care of women throughout the lifespan and the childbearing family. Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for women through the lifespan and families adapting to childbearing. Prerequisite: successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 3231.
- 3231. CARE OF WOMEN AND THE CHILDBEARING FAMILY PRACTICUM.** (2-0-6). Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for women through the lifespan and families adapting to childbearing. Prerequisite: successful completion of courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 3230.
- 4100. RESEARCH IN HEALTHCARE.** (2-2-0). Foundations of research in healthcare, including its definition and characteristics, purposes, quantitative and qualitative methodologies, ethical considerations, and relationship to the health care of individuals, families, groups, and communities. Prerequisite: successful completion of the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing.
- 4120. COMPLEX NURSING CARE.** (2-2-0). Nursing care of the individual with acute/complex health problems. Application of the nursing process is directed towards assisting individuals and families cope with acute, complex health crisis. Prerequisite: successful completion of courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 4121.
- 4121. COMPLEX NURSING CARE PRACTICUM.** (2-0-6). Nursing care of the individual with acute/complex health problems. Application of the nursing process is directed towards assisting individuals and families cope with acute health crisis. Prerequisite: successful completion of courses listed in the first six semesters of the B.S.N. curriculum pattern. Corequisite: NURB 4120.
- 4130. PSYCH-MENTAL HEALTH NURSING.** (2-2-0). Application of the nursing process to assist individuals and families cope with mental health problems. Prerequisite: Successful completion of the courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 4131.

- 4131. PSYCH-MENTAL HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process in acute care and community based settings to assist individuals and families cope with mental health problems. Prerequisite: Successful completion of the courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: NURB 4130.
- 4190. COMMUNITY BASED NURSING FOR REGISTERED NURSES.** (4-4-0). Theoretical basis for the comprehensive nursing care to individuals, families, and communities. Emphasis is on health promotion, risk reduction, disease prevention, and health care management across the life-span in community based settings. Prerequisites: Completion of the first six semesters of the curriculum pattern or consent of the Dean. Corequisite: NURB 4191.
- 4191. COMMUNITY BASED NURSING PRACTICUM FOR REGISTERED NURSES.** (4-0-12). Clinical course with emphasis on providing comprehensive nursing care to individuals, families, groups, and communities. Emphasis is on health promotion, risk reduction, disease prevention and health care management across the life-span in community based settings. Prerequisites: Completion of the first six semesters of the curriculum pattern or consent of the Dean. Corequisite: NURB 4190.
- 4220. COMMUNITY HEALTH NURSING.** (2-2-0). Explores theories, concepts, knowledge, and skills for nursing care of aggregates and communities. Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for aggregates and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 4221.
- 4221. COMMUNITY HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for aggregates and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 4220.
- 4230. HEALTHCARE MANAGEMENT.** (3-3-0). An introduction to application of theories of leadership, change, and management to promote effective healthcare to individuals, families, groups, and communities. Prerequisite: successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 4231.
- 4231. NURSING MANAGEMENT PRACTICUM.** (4-0-12). Application of theories of leadership, change, and management to provide effective nursing care to individuals, families, groups, and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing. Corequisite: NURB 4230.
- 4290. LEADERSHIP AND MANAGEMENT FOR REGISTERED NURSES.** (3-3-0). Theories and principles of leadership and management as applied to the delivery of health care to individuals, families, groups, and communities. Prerequisite: Limited to registered nurses that have successfully completed the first seven semesters of the curriculum pattern or consent of the Dean. Corequisite: NURB 4291.
- 4291. LEADERSHIP AND MANAGEMENT PRACTICUM FOR REGISTERED NURSES.** (4-0-12). Application of leadership and management theories and principles to the delivery of health care to individuals, families, groups, and communities. Prerequisite: Limited to registered nurses that have successfully completed the first seven semesters of the curriculum pattern or consent of the Dean. Corequisite: NURB 4290.
- 4390. NURSING ELECTIVE.** (3 to 6-3-0). (Lecture-Practicum). Supervised self-directed study to increase knowledge and skills in planning, implementing and evaluating nursing care. Prerequisites: 3070, 3080, 3490.
- 4950. SPECIAL TOPICS IN NURSING.** (3-3-0). Supervised self-directed study to increase theoretical knowledge in planning, implementing and evaluating nursing care. Prerequisites: two semesters of clinical nursing courses. May be repeated for credit when topic varies.
Subtitles:
80-Nursing Process Review Seminar
81-Nursing Process Review Seminar
82-Transcultural Nursing
83-Gerontological Nursing
- For Undergraduates and Graduates
- 4700. HEALTH CARE INFORMATICS: INFORMATION MANAGEMENT FOR HEALTH CARE PROFESSIONALS.** (3-2-2). Introduction to theories, concepts, and technology application essential to identifying, collecting, processing, and managing data and information to support health care practice, administration, education, research and the expansion of knowledge within the evolving technology-rich health care environment. Prerequisites: Graduate standing or permission of instructor. Undergraduate: completion of one clinical semester (basic computer skills beneficial, but not required).
- For Graduates Only
- 5010. RESEARCH IN NURSING.** (3-3-0). Scientific investigation; classifications of research; analysis and interpretation. Developing a research design to investigate a nursing problem. Application of an Evidence-Based Practice model for research appraisal. Prerequisite: basic statistics course (may be taken concurrently) and graduate standing.
- 5030. HEALTH CARE LAW AND ETHICS.** (3-3-0). Exploration of legal and ethical issues relevant to advanced nursing practice. A seminar designed to explore the legal and ethical issues that arise in the provision of health care in the United States. Prerequisite: graduate standing or with permission of the dean.
- 5040. ADULT NURSING I.** (3-2-6). Guided experience in application of the nursing process with adult clients in selected settings. Systematic inquiry and hypothesis testing. Nursing intervention at primary, secondary, and tertiary levels. Prerequisites: registration in or credit for 5120, 5280.
- 5050. ADULT NURSING II.** (3-2-6). Application, synthesis, and evaluation of knowledge, theories, and principles that create new, dynamic relationships for improving client care. Intervention priorities, innovative approaches, evaluation of outcomes. Prerequisite: 5040.
- 5060. PRACTICUM IN TEACHING.** (3-0-18). Seminar in theory, critical thinking and analysis with guided experiences in the use of teaching strategies. Prerequisites: 5090 and six hours in a clinical sequence of courses. With consent of advisor, 5090 and second clinical course may be taken concurrently.

- 5070. EVALUATION OF NURSING EDUCATION.** (3-3-0). Methods of evaluation, with emphasis on test preparation and clinical performance appraisal. Prerequisite: registration in or credit for Psychology 4400.
- 5080. INDEPENDENT STUDY.** (3-3-0). Selected nursing practice problems. Problem and mode of study agreed upon by student and instructor. Prerequisite: graduate standing and instructor approval.
- 5090. CURRICULUM DEVELOPMENT IN NURSING EDUCATION.** (3-3-0). Theories and procedures. Philosophy, program objectives and conceptual framework development. Prerequisite: graduate standing.
- 5100. SOCIAL FORCES AND NURSING PRACTICE.** (3-3-0). Social forces affecting the health care system; exploration and evaluation of concerns germane to contemporary nursing and the role of the masters prepared nurse. Prerequisite: graduate standing.
- 5110. NURSING ADMINISTRATION I.** (3-3-0). Nursing administration concepts, principles and theories which relate to communication, decision-making, power, change and leadership. Prerequisite: admission to Graduate School.
- 5120. THEORY ORIENTED NURSING PRACTICE.** (3-3-0). Nursing theory development as basis for nursing practice. Systematic description, prediction and control of clinical phenomena in the generation of testable hypotheses about nursing. Prerequisite: graduate standing.
- 5130. TOPICS IN NURSING.** (3-3-0). Specialized studies in nursing to meet specific learning needs of students. Prerequisite: graduate standing. May be repeated once for credit.
- 5140. LEADERSHIP ROLE DEVELOPMENT.** (3-0-18). Practicum in role development for decision making, accountability, planning, change, and evaluation. Prerequisites: 5110, six hours in the clinical sequence.
- 5150. CRITICAL CARE NURSING OF ADULTS.** (3-2-6). Advanced concepts in nursing assessment and intervention in the presence of pathology and trauma. Prerequisites or corequisites: 5120, 5280.
- 5160. CRITICAL CARE NURSING OF THE ADULT II.** (3-2-6). Advanced concepts in nursing assessment and intervention in the presence of pathology and trauma. Prerequisites: 5150.
- 5170. PRACTICUM IN CLINICAL NURSING.** (3-0-18). Application, synthesis and evaluation of knowledge and activities in the varied roles of the clinical nurse specialist. Prerequisite: 5190.
- 5190. TOPICS IN ADVANCED CLINICAL NURSE SPECIALIZATION.** (3-0-18). A guided clinical experience in selected settings for Adult, Critical Care, Maternal Child and Mental Health-Psychiatric Clinical Nurse Specialist students. Prerequisite: 6 hours in a clinical sequence of courses.
- 5210. NURSING ADMINISTRATION II.** (3-3-0). Study of advanced nursing administration concepts including financial management, legal issues, risk management, quality assurance and personnel management. Prerequisite: graduate standing.
- 5260. CLINICAL SKILLS I FOR THE NURSE PRACTITIONER IN CLINICAL PRACTICE.** (1-0-3). Practical applications and strategies for learning advanced skills relative to diagnostic testing and performing technical skills relative to advanced practice. Prerequisite: 5700, 5280; Corequisite: 5850 or 5330 or 5410 or 5780 or 5610.
Subtitles:
80-Clinical Skills I for the Family Nurse Practitioner.
81-Clinical Skills I for the Pediatric Nurse Practitioner.
- 82-Clinical Skills I for the Women's Health Nurse Practitioner.
83-Clinical Skills I for the Acute Care Nurse Practitioner in Clinical Practice.
84-Clinical Skills I for the Neonatal Nurse Practitioner in Clinical Practice.
- 5270. CLINICAL SKILLS II FOR THE NURSE PRACTITIONER IN CLINICAL PRACTICE.** (1-0-3). Practical applications and strategies for learning advanced skills of diagnostic testing and performing technical skills relative to advanced practice. Prerequisites: 5260 and 5780 or 5420 or 5850 or 5340 or 5650. Corequisites: 5770 or 5430 or 5860 or 5350 or 5670.
Subtitles:
80-Clinical Skills II for Family Nurse Practitioners.
81-Clinical Skills II for Pediatric Nurse Practitioners.
82-Clinical Skills II for Women's Health Nurse Practitioners.
83-Clinical Skills II for the Acute Care Nurse Practitioner in Clinical Practice.
84-Clinical Skills II for the Neonatal Nurse Practitioner in Clinical Practice.
- 5280. ADVANCED HUMAN PHYSIOLOGY AND PATHOLOGY FOR ADVANCED PRACTICE NURSES.** (3-3-0). The analysis, evaluation, synthesizing and integration of advanced human physiology and pathology concepts for the advanced practice nurse. Prerequisite: graduate standing.
- 5310. MATERNAL-CHILD AND FAMILY NURSING I.** (3-2-6). Client care problems in maternal-child health care settings. Formulation and testing of hypotheses of nursing intervention. Conceptual framework derived from the Neuman health care systems. Prerequisite: registration in or credit for 5120, 5280.
- 5320. MATERNAL-CHILD NURSING II.** (3-2-6). Formulation and testing of hypotheses of nursing intervention. Synthesis and evaluation of advanced nursing knowledge and clinical competence in the practice of maternal-child nursing. Prerequisite: 5310.
- 5330. WOMEN'S HEALTH NURSE PRACTITIONER I.** (3-2-6). The theoretical and clinical basis for management of health care needs of essentially well women through the life cycle, including low risk pregnant women. Prerequisite: 5120, 5280, 5700, 5820. Corequisite: 5010, 5260, 5710, 5830. Closed registration; by selection only.
- 5340. WOMEN'S HEALTH NURSE PRACTITIONER II.** (3-2-6). The theoretical and clinical basis for management of health care needs of women experiencing obstetric and gynecologic deviations from wellness through the life cycle. Prerequisite: 5330.
- 5350. WOMEN'S HEALTH NURSE PRACTITIONER III.** (3-2-6). The theoretical and clinical basis for management of health care needs of women experiencing common acute and chronic non-reproductive health problems/illnesses throughout the life cycle, including certain vulnerable populations. Prerequisite: 5340. Corequisites: 5270, 5840.
- 5360. WOMEN'S HEALTH NURSE PRACTITIONER IV.** (3-0-18). Clinical preceptorship in selected clinical sites in rural and urban areas with opportunities to refine the role of the Women's Health Nurse Practitioner and refine competencies in clinical judgment and management of the health care of women throughout the life cycle with special focus in underserved areas. Students are required to be continuously enrolled in 5360 until all clinical hours are completed and approved. Prerequisites: 5270, 5350, 5840.

5400. **THEORETICAL FOUNDATIONS OF ROLE DEVELOPMENT IN CLINICAL NURSE SPECIALIZATION.** (3-3-0). Theories of role development and change for the clinical nurse specialist as consultant, leader, researcher, practitioner and teacher. Prerequisite: graduate standing.
5410. **ACUTE CARE NURSE PRACTITIONER I.** (3-2-6). The theoretical and clinical basis for the management of acute care health needs of adults through the life cycle. Prerequisites: 5120, 5280, 5700, 5820. Corequisites: 5010, 5260, 5710, 5830.
5420. **ACUTE CARE NURSE PRACTITIONER II.** (3-2-6). The theoretical and clinical basis for the advanced practice management of emergency and trauma health care needs of adults through the life cycle. Prerequisites: 5120, 5280, 5700, 5820, 5410, 5010, 5260, 5710, 5830. Corequisites: 5100, 5810.
5430. **ACUTE CARE NURSE PRACTITIONER III.** (3-2-6). The theoretical and clinical basis for the advanced practice management of critical care health needs of adults through the life cycle. Prerequisites: 5120, 5280, 5700, 5820, 5410, 5010, 5260, 5710, 5830, 5810, 5100, 5420. Corequisites: 5950, 5840, 5270.
5440. **ACUTE CARE NURSE PRACTITIONER IV.** (3-2-18). Clinical preceptorship in selected clinical sites in internal medicine, emergency/trauma and intensive care areas with opportunities to refine the role of the Acute Care Nurse Practitioner and refine competencies in clinical judgment and management of the acute health care needs of the adult client. Prerequisites: 5270, 5430.
5500. **MENTAL HEALTH/PSYCHIATRIC NURSING I.** (3-2-6). Critical care problems in community mental health/psychiatric settings. Expands and strengthens concepts in the nursing process through systematic inquiry and testing of nursing intervention hypotheses at the primary, secondary, and tertiary levels of prevention. Prerequisite: credit for or registration in 5120, Psychology 5470.
5510. **MENTAL HEALTH/PSYCHIATRIC NURSING II.** (3-2-6). Application, synthesis, and evaluation of nursing knowledge and skills required for innovative approaches to client care in Community Mental Health Psychiatric nursing. Priorities of nursing intervention at the levels of prevention. Prerequisite: 5500, Psychology 5750 (Psychology 5750 may be taken concurrently).
5620. **ADVANCED PATHOPHYSIOLOGY OF THE NEONATE.** (3-3-0). (section 80S) The study of embryology, biochemistry, perinatal pathophysiology and neonatal pathophysiology concepts for the advanced practice neonatal nurse. Prerequisite: Acceptance into NNP Clinical or by faculty permission.
5630. **CLINICAL ASSESSMENT OF THE NEONATE.** (3-2-3). (section 80S). Advanced health assessment of neonates with emphasis on perinatal and neonatal data collection and establishing priorities of care. Prerequisite: Acceptance in NNP Clinical or by faculty permission.
5640. **PHARMACOTHERAPEUTICS FOR THE NEONATAL NURSE PRACTITIONER.** (3-3-0). (section 80). Study of clinical pharmacological therapeutics for advanced neonatal nursing practice. Prerequisite: Acceptance into NNP clinical or by faculty permission.
5650. **NEONATAL NURSE PRACTITIONER I.** (3-2-6). (section 80S). The theoretical and clinical basis for the advanced practice management of disease/disorders of the neonate with emphasis on nutritional/fluid and electrolyte status, resuscitation and stabilization, cardiac, pulmonary, gastrointestinal, infectious disease/disorders. Prerequisites: 5120, 5620, 5630, 5820. Corequisites: 5010, 5260, 5640, 5830.
5660. **NEONATAL NURSE PRACTITIONER II.** (3-2-6). (section 80S). The theoretical and clinical basis for the advanced practice management of disease/disorders of the neonate with emphasis on renal/genitourinary, metabolic/endocrine, hematologic, and intrauterine drug exposure, malignancies. Prerequisites: 5120, 5620, 5630, 5820, 5640, 5010, 5650, 5260, 5830; Corequisites: 5100, 5810.
5670. **NEONATAL NURSE PRACTITIONER III.** (3-2-6). (section 80S). The theoretical and clinical basis for the advanced practice management of disease/disorders of the neonate with emphasis on discharge planning and follow-up care, growth and development, musculoskeletal, integumentary, genetic, neurologic, ears, eyes, nose, throat, and mouth diseases/disorders. Prerequisites: 5010, 5100, 5120, 5260, 5620, 5630, 5640, 5650, 5660, 5810, 5820, 5830. Corequisites: 5270, 5840, 5950.
5680. **NEONATAL NURSE PRACTITIONER IV.** (3-0-18). (section 80S). The clinical basis for the advanced practice management of disease/disorders of the neonate with emphasis on comprehensive synthesis of information, refinement of competencies in clinical judgment and management of the acute health care needs of the neonate client. Prerequisites: 5010, 5100, 5120, 5260, 5270, 5620, 5630, 5640, 5650, 5660, 5810, 5820, 5830, 5840, 5950.
5700. **METHODS OF CLINICAL NURSING ASSESSMENT.** (3-2-6). Advanced health assessment of infants, children, adults, prenatal and elderly with emphasis on data collection, differential diagnosis, and establishing priorities for health maintenance and prevention. Prerequisite: graduate standing and registration in or credit for 5280. Must be accepted into nurse practitioner curriculum or with faculty approval. Corequisite: 5820 or with faculty approval.
5710. **PHARMACOTHERAPEUTICS.** (3-3-0). Study of clinical pharmacological therapeutics for advanced nursing practice. Prerequisite: graduate standing.
5770. **FAMILY NURSE PRACTITIONER I.** (3-2-6). Management of expectant parents and common acute, chronic and rehabilitative primary health problems of neonates through adolescence. Prerequisites: 5780 and 5710. Closed registration; by selection only.
5780. **FAMILY NURSE PRACTITIONER II.** (3-2-6). Management of health and common acute, chronic and rehabilitative primary health problems of young adults to senescence. Prerequisites: 5700, 5280, 5820 and 5120. Corequisite: 5830.
5790. **FAMILY NURSE PRACTITIONER III.** (3-2-6). Management of common acute, chronic, and rehabilitative primary health problems of the elderly. Prerequisite: 5770. Corequisite: 5840.
5800. **FAMILY NURSE PRACTITIONER IV.** (3-0-18). Clinical preceptorship in selected clinical sites with opportunities to refine the role of the family nurse practitioner and develop competency in clinical judgment. Prerequisites: 5840, 5790. Students are required to be continuously enrolled in 5800 until all clinical hours are completed and approved.
5810. **FAMILY DYNAMICS FOR ADVANCE NURSING PRACTICE.** (3-3-0). Examination of theories of family and the dynamics influencing family life, role behavior, coping, change and challenge. Emphasis is on strategies to assess and promote primary family health to formulate a nursing practice framework. Prerequisite: registration in or credit for 5120.
5820. **INTRODUCTION TO THE ROLE OF THE NURSE PRACTITIONER.** (2-2-0). The social, professional, and legal forces which structure and affect the implementation of the role and role competencies of the nurse practitioner. Prerequisite: Acceptance into a nurse practitioner concentration.

- 5830. ROLE OF THE NURSE PRACTITIONER IN CLINICAL PRACTICE.** (1-1-0). Analysis of the professional role of the nurse practitioner in clinical practice; focus is on the theoretical practice framework, therapeutic nurse-client relationship, clinical decision making process, management processes, methods of communicating client status, case management, practice protocols and guidelines and management concepts related to the client's wellness/illness state. Prerequisite: 5820. Corequisites: 5330 or 5650 or 5780 or 5850 or 5410.
- 5840. ROLE OF THE NURSE PRACTITIONER IN BUSINESS PRACTICE.** (1-1-0). Practical applications and strategies for marketing self as an advanced practitioner of nursing, developing professional, entrepreneurial, political and legal acuity. Analyze health care policy to determine current and future directions of self as a nurse practitioner provider. Prerequisite 5830. Corequisite: 5350 or 5670 or 5790 or 5870.
- 5850. PEDIATRIC NURSE PRACTITIONER I.** (3-2-6). Management of well child care, developmental problems, communicable diseases, and common acute and chronic illnesses and emergencies of the respiratory, gastrointestinal, and urinary systems in children from birth through school age. Prerequisite: 5120, 5280, 5700, 5820. Corequisite: 5010, 5260, 5710, 5830. Closed registration; by selection only.
- 5860. PEDIATRIC NURSE PRACTITIONER II.** (3-2-6). Management of common acute and chronic illnesses and emergencies of the eye, cardiovascular, hematological, immune, endocrine, musculoskeletal, and neurological systems in children birth through school age. Prerequisite: 5010, 5260, 5710, 5850, 5830. Corequisite: 5810.
- 5870. PEDIATRIC NURSE PRACTITIONER III.** (3-2-6). Management of well adolescent care, psychosocial problems and acute and chronic illnesses and emergencies in adolescents and vulnerable populations. Prerequisite: 5860. Corequisite: 5840.
- 5880. PEDIATRIC NURSE PRACTITIONER IV.** (3-0-18). Clinical preceptorship in selected clinical sites in rural and urban areas with opportunities to refine the role of the Pediatric Nurse Practitioner and refine competencies in clinical judgment and management of the health care of children of all ages in underserved areas. Students are required to be continuously enrolled in 5880 until all clinical hours are completed and approved. Prerequisite: 5870.
- 5900. SEMINAR IN NURSING RESEARCH.** (1-1-0). May not be used to satisfy degree requirements.
- 5950. RESEARCH PROBLEMS.** (1 to 3-3-0). No more than three hours may be applied to the degree. Students are required to be continuously enrolled in 5950 until the research project is completed and approved. Prerequisite: 5010.
- 5980. THESIS.** (1 to 6-3-0). Students are required to be continuously enrolled in 5980 until the thesis is completed and approved. Prerequisite: 5010.
- 5995. RESEARCH SEMINAR.** (3-3-0). The utilization of evidence based knowledge to provide high quality health care, initiate change, and improve nursing practice.

NUTRITION (NUTR)

For Undergraduates Only

- 1020. NUTRITION AND HUMAN NEEDS.** (2-2-0). Principles of nutrition applied to meeting personal nutrition needs, preventing diet-related problems, and making sound food choices.
- 1030. HUMAN NUTRITION.** (3-3-0). Principles of nutrition with application to health, physical and mental fitness and longevity.

- 1050. CHILD NUTRITION.** (2-2-0). Nutritional needs and food habits from conception through childhood; helping children understand and apply nutrition concepts through food preparation.
- 3000. GERIATRIC NUTRITION.** (3-3-0). A study of nutrition and aging, including assessment and treatment of changing digestive processes, decreased nutrient utilization, and nutritional deficiencies and overloads. Focus on the major nutrition-related diseases of the elderly. Prerequisites: 1030, Family and Consumer Sciences 3050 or consent of instructor.
- 3400. NUTRITION THERAPY.** (4-3-2). Includes both theory and practical experience in developing nutrition care plans for treating and rehabilitating clients/patients with various diseases. It includes lessons on the nutrition care planning process, dietary assessment, and counseling skills. Prerequisites: 1030, Family and Consumer Sciences 3050, Zoology 1230-1231.

OFFICE ADMINISTRATION (OFAD)

For Undergraduates Only

- 0910. BEGINNING KEYBOARDING.** (1-3-0). An introduction to computer keyboarding. An intensive five week, hands-on, session covering the correct techniques and keystrokes.
- 1010. BASIC TYPEWRITTEN COMMUNICATIONS AND KEYBOARDING.** (3-3-0). Touch typewriting through correct techniques; centering material; simple letter styles; position, rhythm, and accuracy. This course can be used by all majors, including Office Administration and Business Education majors, but not by any other business majors.
- 1020. INTERMEDIATE TYPEWRITTEN COMMUNICATIONS AND KEYBOARDING.** (3-3-0). Fundamentals of typewriting and mastery of keyboard; speed and accuracy in production of letters, manuscripts, outlines, tables.
- 2010. BASIC STENOGRAPHY.** (3-3-2). Theory and practice of a modern shorthand system; reading and writing from printed shorthand.
- 2020. INTERMEDIATE STENOGRAPHY.** (3-3-2). Continuation of 2010; development of skill in reading and writing from printed shorthand; dictation of simple material. Prerequisites: 1010, 2010.
- 2040. INTERNSHIP – ADMINISTRATIVE OFFICE.** (3-1-4). Supervised general office work to be scheduled with 2140. Prerequisite: sophomore standing.
- 2140. APPLIED OFFICE PROCEDURES.** (3-3-2). An office practice course to integrate the keyboarding, computer application, and clerical skills through the use of actual business procedures; lecture and laboratory practice designed to develop good business judgment and initiative. Prerequisites: 1020, 2200, Computer Information Systems 1800; or consent of instructor.
- 2170. ADMINISTRATIVE OFFICE MANAGEMENT.** (3-3-0). Office function of the business enterprise; office location and layout, equipment and supplies, organization, supervision of personnel, employee training, office services, and control of output. Prerequisite: consent of instructor.
- 2180. INTRODUCTION TO WORD/INFORMATION PROCESSING.** (3-3-0). Basic concepts with hands-on experience; word processing techniques on electronic typewriters and microcomputers. Prerequisite: 1010 and 1020 or equivalent.
- 2190. WORD/INFORMATION PROCESSING II.** (3-3-0). Advanced word/information concepts with hands-on experience and techniques on the microcomputer. Prerequisites: 2180, Computer Information Systems 1800.

- 2200. BUSINESS REPORTS AND COMMUNICATION.** (3-3-0). Communication problems, business letters, employment application procedures. Problem areas investigated by research procedures; sources of data, compilation and arrangement of data, documentation, bibliography, and effective presentation. Prerequisite: Computer Information Systems 1800 or equivalent, English 1010, 1020.
- 4200. RECORDS AND INFORMATIONAL COMMUNICATIONS CONTROL.** (3-3-0). Handling incoming and outgoing informational data. Records procedures; internal installation, administration, and control. Prerequisite: knowledge of keyboarding or consent of instructor.

ORIENTATION (OR)

For Undergraduates Only

- 1010. ORIENTATION.** (1-0-0). New students' adjustment to University life – academic, social, and vocational. Student regulations and requirements; basic study skills; development of a sound philosophy of life.
- 1030. EDUCATIONAL AND VOCATIONAL GUIDANCE.** (1-0-0). Assessment of individual abilities and interests; opportunities and requirements of major occupations. Required of all students enrolled in General Curriculum. Adds one semester hour to requirements for a degree.
- 1100. ORIENTATION LEADER SKILLS TRAINING.** (3-3-0). Skills in small group processing and facilitating. Competencies in team building, peer mentoring and communication skills. Understanding policies and procedures of the University. Transitioning high school students to college. Prerequisite: Consent of instructor. May be repeated for a maximum of six hours.
- 2000. INTRODUCTION TO LEADERSHIP.** (3-3-0). The course will provide students with theoretical, experiential, and practical applications of leadership; provide classroom training and discussion pertaining to basic leadership skills and abilities; and aid students in developing key leadership qualities. The course will focus on how leadership functions and how students will be better prepared to make a positive contribution within the campus community as well as in the workplace. Prerequisite: OR 1010 and/or consent of instructor.

PHILOSOPHY (PHIL)

For Undergraduates Only

- 1010. INTRODUCTION TO PHILOSOPHY.** (3-3-0). Basic problems, arguments, and concepts of selected Western philosophers dealing with reality, knowledge, and moral values.
- 1020. WORLD RELIGIONS.** (3-3-0). Doctrines, philosophies, and rituals of Hinduism, Buddhism, Taoism, Confucianism, Shinto, Judaism, Christianity, and Islam.
- 2020. ETHICS.** (3-3-0). Comparison and contrast of leading ethical theories and their relation to practical morality.
- 2030. LOGIC.** (3-3-0). Standards of reasoning, inductive and deductive, which allow well-ordered schemes of knowledge in the various sciences.
- For Undergraduates and Graduates
- 4030. AESTHETICS.** (3-3-0). Philosophy of aesthetic experience; relation between integrity in self and in art; exploration of boundaries of art and science. Prerequisite: three hours of philosophy or consent of instructor.

- 4060. BASIC PROBLEMS IN PHILOSOPHY.** (3-3-0). Directed study and research on special topics in philosophy; selected philosophers and areas of specialization in philosophy. Prerequisite: six semester hours of philosophy.

PHOTOGRAPHY (PHOT)

For Undergraduates Only

- 1050. BASIC BLACK AND WHITE PHOTOGRAPHY I.** (3-3-0). Theory and skills in making the photographic image. Small cameras, lenses, filters; lighting techniques, darkroom procedure. Photographic composition; film developing; print processing. Prerequisite: to be taken concurrently with 1051.
- 1051. BASIC BLACK AND WHITE PHOTOGRAPHY LABORATORY I.** (0-0-3). Practical use of darkroom equipment and techniques for the production of black and white photographs. Prerequisite: to be taken concurrently with 1050.
- 2150. BASIC BLACK AND WHITE PHOTOGRAPHY II.** (3-3-0). Print and negative quality. Composition and elements of a good picture. Prerequisite: 1050 or permission of the instructor. To be taken concurrently with 2151.
- 2151. BASIC BLACK AND WHITE PHOTOGRAPHY LABORATORY II.** (0-0-3). Experience in black and white darkroom techniques for the fulfillment of course requirements. To be taken concurrently with 2150.
- 3140. INTERMEDIATE PHOTOGRAPHY.** (3-3-0). High technical quality and proper use of small and large format cameras. Camera corrections, basic studio lighting, densitometry, quality film processing. Exposure, film processing and black and white printing to increase techniques and skill. Use of various formats as applied to professional photographers. Prerequisites: 1050, 2150.
- 3141. INTERMEDIATE PHOTOGRAPHY LABORATORY.** (0-0-3) Experience in black and white darkroom techniques for the fulfillment of course requirements. To be taken concurrently with 3140.
- 3150. ADVERTISING AND COMMERCIAL PHOTOGRAPHY.** (3-3-0). High technical quality and mechanics and techniques of commercial and advertising photography. Students learn to photograph a variety of commercial subjects using the large format camera. Prerequisites: 1050, 2150, 3140.
- 3200. PORTRAIT PHOTOGRAPHY.** (3-3-0). Fundamentals of portrait lighting, posing, retouching and camera technique. Psychology and technology needed to create a professional portrait; business aspects of the portrait photographer. Prerequisites: 1050, 2150, 3140.
- 4090. PHOTOJOURNALISM.** (3-3-0). Newspaper and magazine photography. Principles and methods of photography in newspapers and feature events, papers and journalism stories in depth. Students will produce picture stories and essays for publication. Prerequisites: 1050, 2150, Journalism 2510, 2520.
- 4250. COLOR SLIDE PHOTOGRAPHY.** (3-1-5). History of color; cameras and lenses; composition; color films; slide techniques. Students experiment with a variety of films; process and mount slides. Regular slide presentations and critiques. Prerequisites: 1050, 2150.

- 4550. SPECIAL PROBLEMS IN PHOTOGRAPHY.** (3-1-0). Student selects an area of photography to be investigated in depth. Many include new technical applications and equipment, creative theme development in black and white, color, film-making, or a combination of any of these. Student must present a paper or creative project at the end of the course. Prerequisite: 1050 or consent of instructor.

PHYSICS (PHYS)

For Undergraduates Only

- 1010. PHYSICS ORIENTATION.** (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, scholarship, and employment opportunities.
- 1120. ASTRONOMY.** (3-3-0). Celestial mechanics; gravitation and Kepler's Law; solar system; stars. Prerequisite: six hours of science.
- 2030. GENERAL PHYSICS.** (3-3-0). Fundamental laws of mechanics, heat and sound. Prerequisites: registration in or credit for 2031; Mathematics 1090.
- 2031. GENERAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 2030.
- 2040. GENERAL PHYSICS.** (3-3-0). Fundamental laws of electricity, magnetism, and optics; introductory atomic and nuclear physics. Prerequisites: registration in or credit for 2041, 2030-2031.
- 2041. GENERAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 2040.
- 2200. PRACTICUM FOR PHYSICS TEACHING.** (1 to 3-0-0). Supervised experiences in teaching the physics laboratory. Required for secondary education majors with physics as a primary or secondary teaching area and recommended for physics majors contemplating a teaching career. One hour credit for each laboratory teaching experience. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: consent of department head.
- 2510. GENERAL ANALYTICAL PHYSICS.** (4-4-0). Fundamental laws of mechanics, wave motion, heat and thermodynamics using differential and integral calculus. Prerequisites: registration in or credit for 2511; Mathematics 2100.
- 2511. GENERAL ANALYTICAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 2510.
- 2520. GENERAL ANALYTICAL PHYSICS.** (4-4-0). Continuation of 2510. Electricity, magnetism, optics, atomic and nuclear physics. Prerequisites: registration in or credit for 2521; 2510-2511.
- 2521. GENERAL ANALYTICAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: registration or credit for 2520.
- 3010. ELECTRONICS.** (3-3-0). Basic electronics for scientists; DC and AC circuits; network theorems; basic electron tube circuits; basics of transistors; instrumentation. Prerequisite: 2520-2521; or 2040-2041.
- 3011. ELECTRONICS LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 3010.
- 3120. INTRODUCTION TO ASTROPHYSICS.** (3-3-0). Celestial mechanics, stellar structure, and galactic phenomena. Prerequisites: two semesters of general physics, and Mathematics 2100.
- 3291. ADVANCED LABORATORY I.** (3-0-6). Mechanics, electrical measurements, heat, physical optics, atomic physics, nuclear physics. Prerequisites: 2520-2521; Mathematics 2110.
- 3301. ADVANCED LABORATORY II.** (3-0-6). Continuation of 3291, may be taken independently.
- 3400. MINICOMPUTER INTERFACING WITH SCIENTIFIC INSTRUMENTATION.** (3-3-0). Practical course dealing with the use of minicomputers in real-time data acquisition and control of scientific instruments. Prerequisite: a basic computer course or consent of instructor. (Same as Chemistry 3400.)
- 3710. THERMODYNAMICS.** (3-3-0). Laws of thermodynamics, kinetic theory of gases, transport properties, elements of statistical mechanics. Prerequisites: 2520-2521; Mathematics 2110.
- 3820. PHYSICAL OPTICS.** (3-3-0). Interference, diffraction, polarization, crystal optics. Prerequisites: 2520-2521; Mathematics 2110.
- 3900. SPECIAL TOPICS IN PHYSICS.** (1 to 3-1 to 3-0). In depth study of various upper-level elective topics in physics; in particular, those not included explicitly among the catalog listings. Prerequisites: two semesters of general physics, Mathematics 2100 or consent of instructor.
- 4900. UNDERGRADUATE SEMINAR.** (1-1-0). Student must present a seminar on a topic in physics approved by the instructor. No more than 2 hours may count toward the baccalaureate degree.
- 4920. INDIVIDUAL STUDY.** (2-0-6). Study in experimental or theoretical physics under supervision of a faculty member. Open to juniors and seniors; may be repeated any number of times; not more than four hours may be applied toward graduation. Prerequisites: consent of department head.
- 4950. RESEARCH PROBLEMS.** (1 to 4-0-4). Individual research on problems not ordinarily included within the scope of regularly scheduled courses. Prerequisite: consent of department head.
- 4980. SENIOR THESIS.** (2-0-6). Investigation of a problem in experimental or theoretical physics under supervision of a faculty member; results presented in formal report at scientific meeting or seminar. May be repeated any number of times. Prerequisites: consent of department head.

¹ No more than two hours may be applied toward a minor or major in physics.

For Undergraduates and Graduates

- 4100. MODERN PHYSICS.** (3-3-0). Topics in special theory of relativity, wave and particle description of matter, atomic, and nuclear physics. Prerequisites: two semesters of general physics; Mathematics 2100.
- 4190. THE ELECTROMAGNETIC SPECTRUM.** (3-3-0). Origin of Electromagnetic radiation, classical versus quantum treatment, survey of instrumental methods used in detection of radiation, survey of developments in visible, radio, gamma, infrared, and x-ray astronomy. Prerequisites: two semesters of general physics, and Mathematics 2100.
- 4200. SPECIAL TOPICS IN SPACE SCIENCE.** (3-3-0). In-depth study of one or more areas of current research such as solar physics, hydrology, and/or microgravity research. Prerequisites: two semesters of general physics. Mathematics 2100, and instructor's consent.
- 4510. MECHANICS.** (4-4-0). Dynamics of a particle in one, two, and three dimensions; damped oscillator with arbitrary forcing; two-body problem; many-body problem; rigid body dynamics; small oscillations. Prerequisites: 2520-2521; credit for or registration in Mathematics 3130.
- 4620. ELECTROMAGNETISM.** (4-4-0). Electrostatics in vacuo; energy in the electric field; magnetostatics; electric current; electric and magnetic fields in material media; Maxwell's equations; field of an oscillating dipole. Prerequisites: 2520-2521; credit for or registration in Mathematics 3160.

- 4710. METHODS OF THEORETICAL PHYSICS.** (3-3-0). Topics of current interest; mathematical techniques used. Prerequisite: consent of department head.
- 4720. METHODS OF THEORETICAL PHYSICS.** (3-3-0). Continuation of 4710; may be taken independently. Prerequisite: consent of department head.
- 4830. QUANTUM MECHANICS I.** (4-4-0). Wave functions; Schrödinger equation in one, two, and three dimensions; Hilbert space; angular momentum; atomic hydrogen; quantum philosophy. Prerequisite: 2520; credit for or registration in Mathematics 3160.
- 4840. QUANTUM MECHANICS II.** (4-4-0). Continuation of 4830. Approximation techniques; spin; fine structure; helium; quantum statistics; radiation; scattering. Prerequisite: 4830.
- For Graduates Only
- 5000. GENERAL PHYSICS PRINCIPLES FOR TEACHERS.** (3-3-0). Principles of physics with emphasis on fundamental results and pedagogy. For teachers who need an overview of the basic ideas regarding forces, motion, conservation, and wave-particle duality.
- 5010. PHYSICS FOR SECONDARY TEACHERS.** (3-3-0). Principles of physics with application to secondary school physics. Current trends and literature in physics. Prerequisite: twelve hours of physics.
- 5020. EXPERIMENTAL PHYSICS FOR TEACHERS.** (3-1-3). Development of laboratory techniques useful for a modern secondary laboratory in an internship setting. Design and implementation of original pedagogical experiments. Survey of laboratory experiments and demonstrations.
- 5090. PHYSICAL SCIENCE FOR ELEMENTARY AND SECONDARY TEACHERS.** (3-3-0). Teaching basic principles of physical science at the elementary and secondary level employing the inquiry method.
- 5950. RESEARCH PROBLEMS IN PHYSICS.** (1 to 6-0-0). Introduction to research and physics literature; investigation of an elementary research problem; laboratory and conferences as required. Results presented both in formal written report and orally, either in a departmental seminar or at a professional meeting. Prerequisite: consent of department head.

¹ Credit may not be obtained in both Chemistry 5090 and Physics 5090.

PLANT AND SOIL SCIENCE (PSSC)

For Undergraduates Only

- 2100. SOIL SCIENCE.** (2-2-0). Fundamentals. Origin, composition, and classification of soils; their physical, chemical, and biological properties; significance of these properties to soil-plant relationships and soil management. Prerequisite: registration in or credit for 2101; registration in or credit for Chemistry 1040, 1031, 1041 or 1070.
- 2101. SOIL SCIENCE LABORATORY.** (1-0-2). Prerequisite: registration in or credit for 2100.
- 3300. FIELD CROP PRODUCTION.** (3-3-0). Crop characteristics and varieties, environmental factors, rotations, production practices associated with the major cash crops of Louisiana and the U.S. Prerequisite: 2100-2101; Agriculture 1050.
- 3350. FORAGE AND PASTURE CROPS.** (2-2-0). Production, management and identification of major forage crop plants; development and maintenance of pastures. Prerequisite: registration in or credit for 3351; 2100-2101; Agriculture 1050.
- 3351. FORAGE AND PASTURE CROP LABORATORY.** (1-0-2). Prerequisite: registration in or credit for 3350.

- 3460. VEGETABLE PRODUCTION.** (3-3-0). Principles and practices involved in production, climatic requirements, nutritional requirements, management and quality characteristics of important vegetable crops. Prerequisite: Agriculture 1050; Biology 1020-1021 or Botany 2100-2101.
- 4950. SPECIAL PROBLEMS IN PLANT AND SOIL SCIENCE.** (1 to 4-1 to 4-0). Library, field or laboratory problems. Formal written report and/or departmental seminar presentation required. Students may enroll in different areas of concentration for a maximum of nine semester hours of credit to be applied toward a degree. Area of concentration is identified as follows:
- 01-forages
 - 02-breeding (genetics)
 - 03-field crops
 - 04-nutritional needs
 - 05-laboratory techniques
 - 06-management
 - 07-nursery/landscape
 - 08-ornamentals
- Prerequisite: senior standing or graduate student with nine hours agricultural science and consent of instructor.

For Undergraduates and Graduates

- 4160. WEED SCIENCE.** (3-3-0). Principles involved in cultural and chemical weed control; chemistry of herbicides and effects of the chemicals on the plant; identification of common weeds and their seeds. Prerequisite: registration in or credit for 4161; 2100-2101; Agriculture 1050; seven semester hours of chemistry including organic chemistry.
- 4161. WEED SCIENCE LABORATORY.** (1-0-2). Important weed problems in Louisiana, herbicides to be used, equipment used for herbicidal application. Prerequisite: registration in or credit for 4160.
- 4270. PLANT PROPAGATION AND NURSERY-GREENHOUSE MANAGEMENT.** (2-2-0). Principles of plant propagation, including seeding, potting, balling, and planting of fruit and ornamental plants. Identification and culture of nursery and greenhouse plants. Prerequisite: registration in or credit for 4271; Agriculture 1050; Biology 1020-1021 or Botany 2100-2101.
- 4271. PLANT PROPAGATION AND NURSERY-GREENHOUSE MANAGEMENT LABORATORY.** (1-0-2). Prerequisite: registration in or credit for 4270.

POLITICAL SCIENCE (PSCI)

For Undergraduates Only

- 2010. GOVERNMENT OF THE UNITED STATES.** (3-3-0). Federal government in the U.S.; government machinery and present tendencies toward modification; political parties and party governments. Prerequisite: sophomore standing.
- 2020. STATE AND URBAN GOVERNMENT.** (3-3-0). State and urban government in the 50 states; southern and Louisiana government and politics.
- 2910. SCOPE AND METHODS.** (3-3-0). Methods of political science; content and scope of the discipline. Prerequisite: 2010.
- For Undergraduates and Graduates
- 3020. POLITICAL PARTIES.** (3-3-0). The party process and institutions; American developments. Prerequisite: 2010.
- 3030. THE JUDICIAL PROCESS.** (3-3-0). History, function, and organization of state and federal courts; judicial administration; lawyers and litigation in civil and criminal settings; implementation and impact of judicial decisions. Prerequisite: 2010 or consent of instructor.

- 3040. THE PRESIDENCY.** (3-3-0). A historical and political analysis of who and what shaped the American presidency.
- 3050. U.S. CONGRESS.** (3-3-0). Major themes in Congressional studies; behavioral, institutional and procedural emphasis.
- 3060. PUBLIC ADMINISTRATION.** (3-3-0). Principles and processes of administering public policies; problems of personnel, finance, organization, extent of bureaucratic responsibility. Prerequisite: 2010.
- 3090. CONSTITUTIONAL LAW.** (3-3-0). Major Supreme Court decisions interpreting the U.S. Constitution. Prerequisite: 2010.
- 4010. PARLIAMENTARY GOVERNMENT.** (3-3-0). Principal examples of parliamentary government. Prerequisite: 2010.
- 4040. POLITICS, ECONOMICS AND SOCIAL POLICY.** (3-3-0). Will examine the basic principles of politics, economics and relate them to current socioeconomic problems, institutions and public policy decisions. The central goal of this course is to convey the sense that political and economic structures do affect political and economic outcomes. The central problem that is examined is the fact of scarcity.
- 4060. INTERNATIONAL LAW.** (3-3-0). Theories and contemporary issues pertaining to International Law. Prerequisite: 2010.
- 4070. INTERNATIONAL ORGANIZATIONS.** (3-3-0). Theories, concepts, and contemporary issues pertaining to international organizations. Prerequisite: 2010.
- 4080. AMERICAN FOREIGN POLICY.** (3-3-0). Historical and institutional study of post-World War II American Foreign Policy; issues of post-Cold War era. Prerequisite: 2010.
- 4090. INTERNATIONAL RELATIONS.** (3-3-0). Major theories on international relations; post-World War II and current periods.
- 4150. POLITICAL THEORY.** (3-3-0). Principal developments in political theory from antiquity to the present. Prerequisites: junior standing and consent of instructor.
- 4160. SPECIAL PROBLEMS.** (3-3-0). Reading and research in American government and international relations. Prerequisites: major or minor in government and senior standing or consent of instructor.
- 4190. PROPAGANDA AND PUBLIC OPINION.** (3-3-0). Nature of and techniques used in propaganda and public opinion; role of social agencies in opinion formation; current publications and textbooks.
- 4200. PRACTICUM.** (3 to 6-0-10). Work experience in offices of public administration or legal firms. Prerequisites: junior standing and consent of instructor. Credit to be determined on the basis of 150 hours of contact time for three semester hours. Prerequisites: 3090 or 3060, and consent of instructor. Open only to Political Science majors.
- 4500. PRESERVATION LAW.** (3-3-0). Court decisions dealing with historic preservation. Prerequisites: political science major and/or consent of instructor.
- 2050. DEVELOPMENTAL PSYCHOLOGY.** (3-3-0). Physical, mental, social and emotional development of the individual; understanding human dynamics with respect to self and others.
- 2250. PSYCHOLOGY OF GENDER.** (3-3-0). Surveys the psychological and social impact of sex differences, sex roles, and development of gender identity on behavior. Historical antecedents of gender differences, development of gender identity, and sex differences in performance, attribution, achievement, cognition, interpersonal behavior, psychopathology, and therapy response will be examined. Prerequisite: 1010.
- 2430. INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY.** (3-3-0). History of experimental principles as applied to the basic processes of psychology: learning, perception, and motivation. Basic classical and modern experiments in psychology. Report writing in APA style and format. Prerequisite: 1010.
- 2450. PERSONAL ADJUSTMENT AND DEVELOPMENT.** (3-3-0). Understanding and dealing with frustration, adjustment mechanisms, personal motivation, feelings and emotions; interpersonal adjustments; identifying and resolving common problems of conflict and adjustment in stages of life; self-understanding, self-acceptance, and maximum utilization of personal capacities and traits. Prerequisite: 1010.
- 3010. PHYSIOLOGICAL PSYCHOLOGY.** (3-3-0). Functional organic and biochemical factors as determinants of personality and behavior; emphasis on the nervous and endocrine systems.
- 3020. EXPERIMENTAL PSYCHOLOGY: LEARNING.** (3-3-0). Principles and basic experimental techniques in the study of human and animal learning. Experiments and report writing in APA style and format. Prerequisite: 2430, 4400.
- 3060. SOCIAL PSYCHOLOGY.** (3-3-0). Individual in relationship to others; nature and development of personality; social behavior and adjustment. Experiments and report writing in APA style and format.
- 3070. EXPERIMENTAL PSYCHOLOGY: PERCEPTION.** (3-3-0). Principles and basic experimental techniques in study of perception. Experiments and report writing in APA style and format. Prerequisite: 2430, 4400.
- 3080. EXPERIMENTAL PSYCHOLOGY: MOTIVATION.** (3-3-0). Basic experimental techniques in the study of human and animal motivation. Experiments and report writing in APA style and format. Prerequisite: 2430, 4400.
- 4020. BEHAVIOR MODIFICATION.** (3-3-0). Principles and applications of behavior modification techniques; learning, emotional and behavioral problems. Prerequisites: six hours of psychology.
- 4030. ADVANCED GENERAL PSYCHOLOGY.** (3-3-0). This capstone course is the "crowning achievement" of the undergraduate education of NSU psychology majors. This course will require graduating senior psychology majors to reflect and speculate on three crucial topics: occupation, research, and exit exam.
- 4040. CHILDHOOD DISORDERS.** (3-3-0). Empirical survey of theoretical, treatment, and research issues in child psychopathology using the DSM classification system. Explores history, ethics, developmental factors, characteristics, causes, and treatment of childhood psychological disorders. Prerequisite: 1010, 2050.
- 4410. PSYCHOLOGICAL TESTING AND MEASUREMENTS.** (3-3-0). Characteristics, interpretations, uses and misuses of standardized psychological tests; examples of each variety; development and use of objective tests, essay tests, rating scales, attitude scales. Prerequisite: 4400 recommended.

PSYCHOLOGY (PSYC)

For Undergraduates Only

- 1010. GENERAL PSYCHOLOGY.** (3-3-0). Principles of psychology; human behavior; shaping of behavior and personality by interaction between individual and environment.
- 2020. COMPARATIVE PSYCHOLOGY.** (3-3-0). The comparative method and its application to behavior of organisms, including man. Research of innate behavior, early experience, learning, motivation, physiological processes.

4470. **PERSONALITY DYNAMICS.** (3-3-0). Dynamics underlying modes of behavior; rationale of adaptive and maladaptive behavior; behavior disorders within the normal range; theories of personality. Prerequisite: 12 hours in psychology.
4480. **SYSTEMS OF PSYCHOLOGY.** (3-3-0). Comparison, with some unifying reconciliation, of schools of psychology which represent major different approaches to the study of human behavior. Prerequisite: 12 hours of psychology.
4490. **INDEPENDENT PSYCHOLOGICAL RESEARCH.** (3-3-0). Student will design, conduct, and file a satisfactory report of an original psychological research project, under direction of the assigned advisor. Not limited to laboratory experimentation. Prerequisite: 2430, 4400, 12 hours in psychology.
4500. **PSYCHOLOGY IN BUSINESS AND INDUSTRY.** (3-3-0). Psychological foundations of practices, procedures, and conditions in business and industry; psychological implications of work in relation to personality and culture.
4510. **APPLIED AND ETHICAL PRACTICE.** (3-3-0). Practical skills useful in interviewing individuals, facilitating supportive environments, and growth experiences in others. Such skills will be helpful for positions in group homes, day treatment hospitals, and inpatient settings.
4550. **ENVIRONMENTAL PSYCHOLOGY.** (3-3-0). Interrelation of behavior to artificial and natural environments. Effects of noise, temperature, air pollution, crowding, and other environmental aspects of the urban and rural settings.
4600. **FIELD EXPERIENCE IN THE MENTAL HEALTH AGENCY.** (3-3-0). Nine to 12 hours per week working in a mental health facility. Prerequisites: senior standing; 24 hours in psychology, including 4450 or 4470, consent of instructor.
4650. **SEMINAR IN CURRENT TOPICS IN PSYCHOLOGY.** (3-3-0). Seminar in a selected, current topic. Topic will vary from semester to semester. Students will present a well researched paper in the specific topic. Course may be taken a maximum of two times. Prerequisite: senior standing or consent of instructor.
4700. **SEMINAR IN ALCOHOLISM.** (3-3-0). Current scientific information, materials, and techniques for dealing with alcoholism. Prerequisite: 4450, 12 hours in psychology.
4800. **CLINICAL BIOFEEDBACK TECHNOLOGY.** (3-2-2). Clinical biofeedback applications including stress disorders, autogenic training, progressive relaxation, stress management training, and behavioral psychotherapy. Prerequisite: 3010 or consent of instructor.

For Undergraduates and Graduates

5100. **PSYCHOLOGICAL RESEARCH: METHODS.** (3-3-0). Descriptive methods, correlation, multiple correlation, simple and multiple regression analysis, curve fitting, probability, nature of statistical inference, sampling distributions, nonparametric methods, and analysis of variance. Prerequisite: 4400.
5120. **PSYCHOLOGICAL RESEARCH: DESIGN AND EVALUATION.** (3-3-0). Theory and application of experimental design in psychological research; design strategies in relation to statistical procedures; analysis of variance and covariance. Prerequisite: 5100 or demonstrated competency.
5200. **THEORIES OF PSYCHOTHERAPY.** (3-3-0). Overview and critical assessment of major theoretical orientations (e.g. Psychoanalytic, Existential, Humanistic, Gestalt, Interpersonal, Emotion Flooding, Behavioral, Cognitive-behavioral, Systemic, Eclectic/Transrational) with review of historical contexts, conceptual foundations, principles, relevant outcome research, and empirically-driven techniques. Prerequisites: 5750 or consent of the department head.
5250. **PSYCHOLOGICAL INTERVENTION AND THERAPY.** (3-3-0). An experiential-didactic course that teaches the skills, strategies, and self-awareness necessary to provide basic helping interventions. The course involves specification of helping skills and strategies and their conceptual bases, as well as demonstration, practice, and feedback of helping interventions. Particular foci will include the nature of the therapist-patient relationship, current research findings on the process and outcome of psychotherapy, and ethical issues. Prerequisites: 5200, 5750, or consent of the department head, and co-registration in or credit for 5251.
5251. **PRACTICUM IN PSYCHOLOGICAL INTERVENTION AND THERAPY.** (3-3-0). Remediation of problematic behavior; interviewing, therapy, consultation and measurement of therapeutic outcome. Prerequisite: coregistration in or credit for 5250.
5300. **INTELLECTUAL ASSESSMENT: WECHSLER AND BINET SCALES.** (3-3-0). Theories of intelligence, problems of intellectual assessment and experience in the technique of test administration. Wechsler and Binet scales. Other methods of intellectual assessment including methods employed with the handicapped and culturally disadvantaged persons. Prerequisite: 4410 or Counseling and Guidance 5520, consent of instructor, and registration in or credit for 5301.
5320. **OBJECTIVE PERSONALITY ASSESSMENT.** (3-3-0). Theory and rationale in the use of projective and objective assessment instruments in applied settings for adults and children. Prerequisites: 4410 or Counseling and Guidance 5520, 4450 or 4470 and registration in or credit for 5321.
5400. **GROUP AND FAMILY PSYCHOTHERAPY.** (3-3-0). Overview of the major theoretical and practical issues in group and family psychotherapy as they relate to the clinical setting. Development of basic skills in small group facilitation and strategies for family assessment and intervention. Prerequisites: 5250, 5251, 5750, 5320, 5321.
5490. **INDEPENDENT STUDY.** (1 to 3-0-0). May be repeated up to six hours. Only three hours may be counted toward degree credit in community and school psychology. May not be counted toward degrees requiring thesis. Prerequisite: 5100.

- 5500. EXTERNSHIP IN CLINICAL PSYCHOLOGY.** (3 to 12-0-0). Forty hours per week direct experience in an approved mental health setting under the supervision of a licensed psychologist. Application of appropriate intervention techniques; assessment tools and techniques; management of clinical cases. Prerequisites: 5200-5201, 5250-5251, 5300-5301, 5320-5321, and 5750 with at least a grade of B and consent of the student's graduate advisory committee. Must be completed with a grade of B or better in order to be used toward the master's degree.
- 5750. PSYCHOPATHOLOGY.** (3-3-0). Nature and etiology of more severe forms of psychoneuroses and psychoses encountered in hospitals or clinics. Prerequisite: 4450 or 4470.
- 5780. PHYSIOLOGICAL PSYCHOLOGY.** (3-3-0). Examination of the biological basis of behavior, with emphasis on underlying neural mechanisms. Surveys neuroanatomy, neurophysiology, and investigates how the nervous system produces various types of behavior. Prerequisite: 3010 or consent of instructor.
- 5980. THESIS.** (3 to 6-0-0).
- 6000. ETHICS AND PROFESSIONAL CONDUCT.** (3-3-0). Exploration of appropriate behavior and ethical/moral issues to be anticipated in all aspects of practice as a psychologist, including therapy, diagnostics, assessment, research, and teaching. Course will include familiarization with ethical principles and code of conduct as well as some understanding of applicable Louisiana law.
- 6800. SEMINAR IN BEHAVIOR MODIFICATION.** (3-3-0). History, techniques, and research in behavior modification. Prerequisite: 3020 or Educational Psychology 5410 and six additional hours in behavioral sciences at the graduate level.
- 6810. SEMINAR IN PSYCHOTHERAPY.** (3-3-0). History, techniques, and research in psychotherapy. Prerequisite: 5200, 5250, 5750, and three hours in 5000-6000 level psychology courses.
- 6820. SEMINAR IN LEARNING.** (3-3-0). Topics in learning. Review of research on contemporary issues in the area of animal and human learning. Prerequisite: 6020 or Educational Psychology 5410, consent of instructor, and nine hours in 5000-6000 level psychology courses.

RADIOLOGIC TECHNOLOGY (RADT)

For Undergraduates Only

- 2200. CULTURAL AND ETHICAL INFLUENCES ON HEALTH CARE.** (2-2-0). To provide a foundation for the provision of ethical, culturally sensitive health care. Professional values, cultural, and ethical influences on professional practice will be discussed.
- 2210. RADIOLOGY INTRODUCTION.** (2-2-0). History of radiology, department and hospital organization, code of ethics, medico-legal considerations, role of the technologist on the medical team, radiographic procedural introduction, medical terminology. Professional organizations of radiologic technology and certification as well as basic radiation protection.
- 3300. RADIOGRAPHIC PRINCIPLES AND EQUIPMENT.** (3-3-0). Application of the principles of physics to radiography and radiologic equipment. Interactions of x-rays with matter, production of x-rays, electricity, magnetism, electromagnetism, equipment maintenance and operation. Introduction to advanced radiographic equipment.
- 3310. RADIOGRAPHIC POSITIONING I.** (4-3-3). Instruction in positioning nomenclature, anatomy, and physiology, radiographic positioning, and technical factors involving the upper limb, lower limb, chest, abdomen, bony thorax, shoulder girdle, and pelvic girdle. Radiographs will be presented and critiqued for film quality.
- 3311. CLINICAL RADIOGRAPHY I.** (2-0-12). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis on professionalism, dependability, and radiographic examinations presented in RADT 3310.
- 3320. PATIENT CARE AND PHARMACOLOGY METHODS.** (3-2-3). Management of medical and surgical asepsis, patient assessment, patient history documentation, trauma, shock, urinary catheterization, venipuncture, patient transfer, oxygen administration, and EKG. The use of contrast media and drugs in the management of radiologic procedures will be discussed.
- 3811. CLINICAL RADIOGRAPHY II.** (3-0-18). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on improving clinical practice.
- 3820. RADIOGRAPHIC POSITIONING II.** (4-3-3). Instruction in positioning nomenclature, anatomy and physiology, radiographic positioning, and technical factors involving the digestive tract, urinary tract, vertebral column, skull, facial bones, and sinuses. Radiographs will be presented and critiqued for film quality.
- 3830. IMAGING PRINCIPLES.** (4-3-3). Radiographic exposure principles involved in radiographic quality. Exposure factors affecting density, contrast, and distortion. Conduct experiments to demonstrate radiographic exposure principles.
- 3900. TRANSITION INTO PROFESSIONAL RADIOLOGIC TECHNOLOGY.** (2-2-0). Provides the framework for transition for the registered radiologic technologist. Explores current professional issues in radiologic science. Prerequisites: completion of the of general education courses in the Radiologic Technology curriculum.
- 3910. SECTIONAL ANATOMY.** (2-2-0). Presentation of human anatomy and pathology through the use of computerized tomography, ultrasound and magnetic resonance imaging films.
- 3911. CLINICAL RADIOGRAPHY III.** (4-0-24). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on improving clinical practice and routine radiographic procedures.
- 3920. RADIOGRAPHIC PATHOLOGY.** (2-2-0). Pathology terminology, disease processes, and classifications of disease. Pathology related to various systems is presented in addition to its impacts on radiographic technique.
- 4510. ADVANCED RADIOGRAPHIC PROCEDURES.** (3-3-0). Advanced instruction in positioning nomenclature, radiographic pathology, anatomy and physiology, contrast media for advanced radiographic procedures. Advanced critique in evaluation of radiographs for radiographic density, contrast, detail distortion and artifacts. Instruction of principles, physics and equipment employed in digital radiography and PACS.
- 4511. CLINICAL RADIOGRAPHY IV.** (4-0-24). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes.

- 4520. RESEARCH IN HEALTHCARE.** (2-2-0). Foundations of research in healthcare, including its definition and characteristics, purposes, quantitative and qualitative methodologies, ethical considerations, and relationship to the health care of individuals, families, groups, and communities.
- 4530. RADIATION PROTECTION AND BIOLOGIC RESPONSES.** (2-2-0). Examines the interactions of radiation with matter; biologic effects of ionizing radiation; quantities and units; dose response curves, patient and personnel protection.
- 4610. QUALITY MANAGEMENT.** (2-2-0). A study of quality control, and quality assurance programs setting in the radiology department. Basic testing procedures for quality control will be demonstrated. Federal guidelines regulating quality control will also be presented.
- 4611. CLINICAL RADIOGRAPHY V.** (4-0-24). Students will be supervised in a clinical education setting in order to perform a full range of radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on advanced clinical practice and the ability to adapt to various clinical situations.
- 4620. ADVANCED PRACTICES IN RADIOGRAPHY.** (3-3-0). Overview of radiologic technology with an emphasis on integration and application of theory acquired in previous classes. Understanding medical law and ethics, types of law, state and federal regulations, health care professional liability, legal obligations, and patient rights. Explores current professional issues in radiologic science.
- 4630. HEALTHCARE MANAGEMENT.** (3-3-0). An introduction to application of theories of leadership, change, and management to promote effective healthcare to individuals, families, groups, and communities.
- 4900. DIRECTED STUDY.** (4-4-0). Supervised directed study in selected topics in the radiologic sciences for the registered technologist. May be repeated for credit when topic varies. Prerequisite: approval of the program director.

READING (RDG)

For Undergraduates Only

- 1160. INTRODUCTION TO THE READING PROCESS FOR TEACHER AIDES.** (3-3-0). For aides assisting certified teachers in classroom instructional activities.
- 3030. INTRODUCTION TO READING.** (3-3-0). The reading process; instructional practices and methods in reading. Includes field experience component. Prerequisite: junior standing.
- 3060. TEACHING READING IN THE ELEMENTARY SCHOOL.** (3-3-0). Developmental program of reading in the primary and upper elementary grades. content, materials, methods, and techniques used in teaching reading in elementary school. Includes field experience component. Prerequisite: 3030, admission to candidacy for a degree in teacher education.
- 4060. DIAGNOSIS AND CORRECTION OF LITERACY DIFFICULTIES IN THE ELEMENTARY CLASSROOM.** (3-3-0). Instruction in and application of diagnosis and instructional planning for literacy difficulties in the elementary classroom. Approaches and strategies, current perspectives on reading and writing, and the use and development of assessment instruments for the elementary classroom are also included in this course. Includes field experience component. Prerequisite: admission to candidacy in teacher education; RDG 3030.

- 4070. PRACTICUM IN READING.** (3-0-6). Reading skills, assessing reading difficulty, lesson planning, and human relations. Supervised tutoring and small group instruction in the classroom. Prerequisite: 3030, 3060 and admission to candidacy in teacher education.

¹ This course must be taken in "methods block": Education 4030 and Reading 4070.

For Undergraduates and Graduates

- 4080. TEACHING READING IN THE SECONDARY SCHOOL.** (3-3-1). Address content area literacy; including literacy and language processing, subject matter standards and benchmarks, comprehension, vocabulary and study skills in the content classroom. Other topics are assessment of student progress in performance terms, rubrics, writing across the curriculum, address the needs of a diverse and multi-cultural student population, use of technology, evaluation of instructional materials, learning styles, and instructional strategies. Field experience component included. Prerequisite: Admission to candidacy in teacher education.
- 4090. READING INSTRUCTION IN ADULT EDUCATION.** (3-3-0). Identification of reading skills; evaluation of reading skills; evaluation of reading achievement; diagnosis of specific problem areas; developing instructional materials and methodology.
- 4150. SPECIAL PROBLEMS IN READING INSTRUCTION IN THE ELEMENTARY SCHOOL.** (1 to 9-3-0). Special problems uniquely related to current methods and materials of instruction in reading, grades K-8.
- 4560. SPECIAL PROBLEMS IN READING INSTRUCTION IN THE SECONDARY SCHOOL.** (1 to 9-3-0). Special problems uniquely related to current methods and materials of instruction in reading, grades 9-12.
- 4610. READING IN EARLY CHILDHOOD.** (3-3-0). Instructional techniques and materials for development of basic reading and other language arts skills in the early childhood years, with special attention to research in and development of language skills. Prerequisite: Six semester hours of undergraduate reading coursework (for undergraduate credit); undergraduate or graduate reading coursework and consent of instructor (for graduate credit).

¹ May not be used to satisfy degree requirements.

For Graduates Only

- 5010. READING IN THE ELEMENTARY SCHOOL.** (3-3-0). Addresses the reading process, basic theory of word identification, vocabulary, comprehension, basal reader materials and the content, materials, methods, and techniques of teaching reading in the elementary school. Prerequisite: Admission to Alternative Post- Baccalaureate Certification Program.
- 5050. WHOLE LANGUAGE AND MODELS OF LITERACY INSTRUCTION.** (3-3-0). Examination and evaluation of whole language and related literacy programs; construction of activities/integrated lessons and portfolio assessment. Prerequisite: graduate standing.
- 5110. READING INSTRUCTION IN THE ELEMENTARY SCHOOL.** (3-3-0). Methods and materials in teaching reading from the reading readiness stage through reading in content areas in upper elementary grades. Prerequisite: teaching experience, or an undergraduate methods course in reading.
- 5130. TRENDS AND ISSUES IN READING INSTRUCTION.** (3-3-0). Designed to explore and critically appraise significant research studies, developments, and concern related to teaching reading. Each student will undertake independent study of a problem of significance to him.

- 5150. READING STRATEGIES FOR TEACHING IN CONTENT SUBJECTS.** (3-3-0). Planning, implementing and evaluating instruction in content subjects to overcome student reading deficiencies and to improve student reading and learning performance.
- 5510. DIAGNOSIS AND CORRECTION OF READING DISABILITIES.** (3-3-0). Causation in reading disabilities; laboratory experience with diagnosis instruments and procedures for corrective instruction in reading. Prerequisite: 5110.
- 5710. ADVANCED DIAGNOSIS AND CORRECTION OF READING DISABILITIES.** (3-3-0). Advanced diagnostic testing and corrective instruction; case study reporting, laboratory experience in diagnosis and treatment of reading difficulties. Prerequisite: 5510.
- 6440. SEMINAR IN READING.** (1 to 6-3-0). Research in reading with opportunities for individual investigation of special problems.
- 6510. LABORATORY PRACTICUM IN READING.** (3-3-0). Supervised laboratory experience with individual and small groups of students; case conferences. Prerequisite: 5510 and consent of instructor.

SCIENCE (SCI)

For Undergraduates Only

- 1010. BASIC CONCEPTS OF PHYSICAL SCIENCE I.** (3-3-0). Basic concepts of physics and chemistry. (May not receive credit for both Science 1010 and Chemistry 1030 or 1070.)
- 1020. BASIC CONCEPTS OF BIOLOGICAL SCIENCE I.** (3-3-0). Chemical basis of life, cell structure and specialization, cellular respiration, photosynthesis, patterns of inheritance, nature and action of genes, simplified classification and evolution of plants, and organismic processes. Prerequisite: 1010 or CHEM 1030 or CHEM 1070. (Students may not receive credit for both Science 1020 and Biology 1010.)
- 2000. FOUNDATIONS OF LIFE.** (3-3-0). Application of basic scientific concepts to recent advances in our knowledge of living systems. Prerequisite: 1020. (May not receive credit for both Science 2000 and Microbiology 1100 or 2060.)
- 2010. BASIC CONCEPTS OF PHYSICAL SCIENCE II.** (3-3-0). Basic concepts of astronomy and earth science, selected topics from contemporary science. Prerequisite: 1020. (May not receive credit for both Science 2010 and Chemistry 1040.)
- 2020. BASIC CONCEPTS OF BIOLOGICAL SCIENCE II.** (3-3-0). Basic biological principles with emphasis on organismal biology, evolution, ecology, and environmental concerns. Prerequisite: 1020. (Students may not receive credit for both Science 2020 and Biology 1020.)
- 2030. PHYSICAL GEOLOGY.** (3-3-0). Cycles and rhythms of geological processes of the earth; impact of man on the geological environment. Prerequisite: 1020. (May not receive credit for both Science 2030 and Geology 1030.)
- 3011. PHYSICAL SCIENCE LABORATORY I.** (1-0-3). Practical experience in the design, construct and conduct experiments in basic physics and chemistry at an introductory level. These experiments will demonstrate concepts relevant to elementary physical science. Prerequisite: 1010, 1020, 2010.
- 3021. BIOLOGICAL SCIENCE LABORATORY I.** (1-0-3). Practical experiences in the design, construction, and conduct of laboratory exercises in biological sciences at the introductory level. Exercises will enhance and demonstrate concepts relevant to Science 1020 and 2020. Prerequisite: 1010, 1020, 2010 or 2020.

- 3031. INTEGRATED SCIENCE LABORATORY I.** (1-0-3). Practical experience in the design, construction, and conduct of laboratory exercises that integrate the sciences at the introductory level. These exercises will enhance and demonstrate concepts that span physical, biological, earth and space science.

For Graduates Only

- 5010. SCIENCE FOR ELEMENTARY SCHOOL TEACHERS.** (3-3-0). Topics in biological, physical and earth science for elementary school teachers. Prerequisite: twelve hours of science.
- 5020. HISTORY AND PHILOSOPHY OF NATURAL SCIENCE.** (3-3-0). The development of the sciences will be studied and the process known as scientific thought will be critically examined. Students will be thoroughly familiar with early and traditional science by the end of the course, and will be comfortable with the vocabulary and general principles of the disciplines.

SOCIAL STUDIES (SST)

For Undergraduates and Graduates

- 3030. LOUISIANA STUDIES.** (3-3-0). Louisiana in the South and the Nation; the natural landscape; exploration and colonization by Europeans; economic, social, and political development during the French, Spanish, and American periods; Louisiana and Southern industrialization.

SOCIAL WORK (SOWK)

For Undergraduates Only

- 2090. SOCIAL WELFARE AS A SOCIAL INSTITUTION.** (3-3-0). History and perspectives of social welfare as a social institution. Specific attention paid to those welfare policies affecting populations at risk.
- 2100. SOCIAL WORK AS A PROFESSION.** (3-3-0). Development of social work as a profession. Value, knowledge, and skill bases of social work in the perspective of generalist philosophy. Prerequisite: 2090 or consent of instructor.
- 3030. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I.** (3-3-0). Cultural diversity, growth, and change in individual and families, utilizing an ecological systems framework. Content will be organized around human development within the social environment from a micro perspective.
- 3040. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II.** (3-3-0). Cultural diversity, growth, and change in groups, communities and organizations utilizing an ecological systems framework. Content will be organized around human development within the social environment from a macro perspective.
- 3060. SOCIAL WORK PRACTICE WITH OLDER ADULTS.** (3-3-0). This is an introductory course in social work practice with older adults. The intent of the course is to introduce recent social work treatment modalities recommended to use with older adults in social work practice. Theoretical perspectives relevant to aging process will be examined. Economic, social, and psychological concerns of the vulnerable elderly, particularly minority and women elderly, will be identified. Intervention strategies which will effectively meet with these needs will be reviewed. The continuum of social work practice with older adults, from individual treatment, including psychotherapy and reality orientation, to community intervention, such as the development of senior citizen centers and adult day care, will be discussed. Prerequisite: 3030, 3120, 3130 or consent of instructor.

- 3120. GENERALIST PRACTICE I.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice intervention. Establishment of professional relationships and skills applicable to multi level systems emphasizing individuals. Specific attention paid to problem solving and the roles of generalist social work. Prerequisite: admission to the Professional Social Work Program.
- 3130. GENERALIST PRACTICE II.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice intervention. Establishment of professional relationships and skills applicable to multi level systems emphasizing families and groups. Specific attention paid to the professional development of use of self within the context of a diverse society. Prerequisite: 3120 with a grade of C or better.
- 4030. STATISTICS IN SOCIAL WORK RESEARCH.** (3-3-0). Descriptive and inferential statistics for social workers. Levels of measurement, measure of central tendency and variability, crosstabulation analysis, correlation, and hypothesis testing including chi-square, analysis of variance, and multiple correlation and regression analysis.
- 4040. SOCIAL WORK RESEARCH METHODS.** (3-3-0). The fundamentals of social work research, practice and program evaluation. Quantitative and qualitative methods of problem formulation, measurement, research design, observation, and analysis of data for social workers. Corequisite: 4190. Prerequisites: 3130, 4030.
- 4190. FIELD WORK.** (6 to 12-0-0). Placement concurrent with other classes. Sixteen to 32 hours per week directed field practice education and two-hour weekly seminar integrating theory and field instruction. Social work majors only. Prerequisite: 3130.
- 4270. CHILD WELFARE AND THE LAW.** (3-3-0). Legal authority for child welfare programs, juvenile and family courts, testifying in court, important court decisions in child welfare, review of the Louisiana Children's Code, and related topics. Prerequisite: junior standing.
- 4350. ANALYSIS OF CONTEMPORARY SOCIAL POLICY ISSUES.** (3-3-0). Contemporary social policy issues will be examined and analyzed from varying perspectives. Evaluation of the implementation of these contemporary policies will be examined in relationship to populations at risk.
- 4450. CULTURAL DIVERSITY.** (3-3-0). Examines the cultural characteristics of minorities, multicultural perspectives on families, and effective culture-sensitive social work practice with diverse populations.

For Undergraduates and Graduates

- 3000. INTRODUCTION TO TRANSACTIONAL ANALYSIS I.** (3-3-0). Concepts and theory of transactional analysis; didactic and experiential approach utilizing small group interaction and communication. Prerequisite: junior standing.
- 3140. GENERALIST PRACTICE III.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice intervention. Establishment of professional relationships and skills applicable to multi level systems emphasizing community and organizations. Specific attention paid to the issues of social and economic justice. Prerequisite: 3130 with a grade of C or better.
- 3180. TECHNIQUES OF INTERVIEWING/SOCIAL WORK VALUES AND ETHICS.** (1 to 3-3-0). Interviewing skills for working with various client systems. Development of self-awareness and the use of self in generalist social work practice. Analysis of the values and ethics of the profession, with exploration of models of ethical decision-making. Prerequisite: Admission to Social Work Professional Program.

- 4050. PREPARATION FOR MARRIAGE AND FAMILY LIFE.** (3-3-0). Factors necessary for adequate marriage preparation; dating, engagement, and the communications process. Elements of successful family life; causes of marital breakdown; significance of the self-concept in marital adjustment. (Same as Sociology 4050).
- 4220. SELF ACTUALIZATION FOR SOCIAL WORK.** (1 to 3-3-0). Use of the laboratory approach in helping the student assess and enhance his capacity for working effectively with people in social work settings. Through a group approach, focus will be on self awareness, interpersonal communication, and the promotion of personal growth. Prerequisite: consent of instructor.
- 4230. INTRODUCTION TO CHILD WELFARE.** (3-3-0). General introduction to major topics in child welfare, including historical and philosophical foundations, protective services, guardianship, services in the home, out-of-home care, child advocacy, and related topics. Prerequisite: junior standing.
- 4240. HUMAN SEXUALITY.** (1 to 3-3-0). Dynamics of human sexual development; the whole person and adjustment at critical life stages; management of sexual maladjustment difficulties; approaches to sex education. Prerequisite: senior standing or consent of instructor.
- 4260. PROTECTIVE SERVICES IN CHILD WELFARE.** (3-3-0). Effects of physical, sexual, and emotional abuse on children; causes and consequences of neglect; approaches to the prevention of child abuse and neglect, permanency planning, foster care, adoption, and institutional services, family preservation, and related topics. Prerequisite: junior standing.
- 4280. FAMILY SERVICES.** (3-3-0). Family systems theory, cultural diversity and family systems, life cycle of the family, functional dysfunctional families, coping with separation, loss, and grief, intervention strategies and techniques, and related topics. Prerequisite: junior standing.
- 4370. STRESS MANAGEMENT.** (3-3-0). Nature of stress and burnout. Identification and evaluation of psychological and environmental stressors. Techniques and strategies for coping with stress. Prerequisite: junior standing or consent of instructor.
- 4800. PRACTICE IN ADDICTIVE DISORDERS.** (3-3-0). Understanding of the etiological, epidemiological, physiological and psychological aspects of substance abuse. Major theoretical underpinnings of both the addictive process and treatment protocols of alcohol, drug and tobacco use/abuse problems as related to individuals, families, groups and communities.
- 4900. DIFFERENTIAL DIAGNOSIS IN SOCIAL WORK.** (3-3-0). This course examines maladaptive patterns of mental functioning. The course provides advance level study of the range of psychopathology, issues involved in the classification of mental disorders and the implications for professional social work intervention. Prerequisite: Senior standing and consent of instructor.

SOCIOLOGY (SOC)

For Undergraduates Only

- 1010. PRINCIPLES OF SOCIOLOGY.** (3-3-0). Human social relationships and processes; functioning of familial, recreational, religious, economic, political, and other social groups in contemporary society.
- 2020. SOCIAL PROBLEMS.** (3-3-0). Social problems of modern life, especially those related to changes in social organization; crime; racial conflicts; economic maladjustments resulting from modern industrialization; urbanization and population trends. Prerequisite: 1010, sophomore standing.

- 2030. SOCIOLOGY OF GENDER.** (3-3-0). This course examines the gender roles of contemporary men and women, particularly as they influence participation in the economy and the family. Exploring sociological perspectives on gender, paying particular attention to contemporary American society, will be the major emphasis of the course. Intersections of gender with the variables of race, class, and sexual orientation will also be examined and explained.
- 3200. INTRODUCTION TO RESEARCH METHODS.** (3-3-0). Basic introduction to the logic, scientific perspective, and practice of research. Design of both qualitative and quantitative research methods, instruments, techniques and issues are examined: ethics of research, presentation of findings, and related issues observed. Prerequisites: 6 hours of mathematics and SOC 1010, or consent of instructor.
- 4100. PRACTICUM IN SOCIOLOGY.** (6-6-0). This course will give selected sociology majors an opportunity to work in a private or public sector organization in northwest Louisiana. All placements will be such that the student can juxtapose class room experience to the applied situation. With co-registration in 4200 students can address methodological issues in an ongoing social organization. Prerequisites: 1010, 4190, 4080, a 3.0 GPA in sociology and an approved application from the coordinator of the program. Co-registration in 4200 is required.
- 4110. SPECIAL PROBLEMS.** (1 to 3-3-0). Directed individual study of a problem related to the fields of sociology, social work. Prerequisite: Sociology 1010 and junior or senior standing; scheduled by arrangement with instructor only.
- 4170. QUALITATIVE RESEARCH METHODS.** (3-3-0). This course will familiarize undergraduates with the variety of qualitative research methods used by social scientists, in the business world, in government, and among educators. Students will apply the methods to a series of research projects, and learn the reciprocal influence between theory and research design. Individual research projects will directly apply these methods throughout the semester. The methods include focus group interviews, individual interviews, unobtrusive observation methods, ethnographic field research, varieties of participant and non-participant observation, case studies, oral histories, and sociometry. Ethical issues bearing on research procedures and research design tasks are also course topics. Prerequisites: Six hours of sociology and junior standing.
- 4190. ADVANCED SOCIAL RESEARCH METHODS.** (3-3-0). Research methods in the social sciences for sociologists, including statistics and computer-based multivariate analysis. Data entry and manipulation using a variety of data sources and methodologies. Prerequisites: 1010 and Junior standing.
- 4250. PROBATION AND PAROLE.** (3-3-0). History, philosophy, and theory of pre-institutional, and after-care programs for probationers and parolees; probation and parole processes and procedures including supervision, pre-sentence investigations, and work release programs. Prerequisite: 1010 or consent of instructor.
- 4600. SOCIOLOGY SENIOR SEMINAR.** (1-1-0). Course prepares graduating Sociology seniors to enter the job market by researching the market, preparing for interviews, and practicing exit exam questions and answers. Reviews important concepts and course materials from Sociology curriculum. Students prepare a portfolio and resume. Prerequisite: Senior Sociology majors only; cannot be repeated for credit.
- 3040. CRIMINOLOGY AND PENOLOGY.** (3-3-0). Definition, incidence, and significance of crime in modern society; factors leading to crime; application of criminal law through police and courts; treatment of convicted criminals. Prerequisite: 1010 or consent of instructor.
- 3050. THE SOCIOLOGY OF CULTURE AND POPULAR CULTURE.** (3-3-0). Examines culture and popular culture as the expression of society's values and observes rich, ongoing changes in cultures. Popular culture, subcultures, social movements, fads and fashions and countercultural groups are analyzed and students critically observe the meanings of their own cultural participation.
- 3080. URBAN SOCIOLOGY.** (3-3-0). The city as nucleus of modern industrial society; urban institutions, population, ecology, and problems. Prerequisite: 1010 or consent of instructor.
- 3090. JUVENILE DELINQUENCY.** (3-3-0). Deviant behavior in children; extent, causes, and control of juvenile delinquency. Prerequisite: six hours of sociology or consent of instructor.
- 4080. RACE AND CULTURE RELATIONS FOR PURE AND APPLIED SOCIOLOGY.** (3-3-0). Race as a biological and cultural concept; status of minority groups in contemporary societies; conditions in the U.S. Prerequisite: 1010 or consent of instructor.
- 4120. INTRODUCTION TO SOCIOLOGICAL THEORY.** (3-3-0). Schools of sociological theory and their relationships; theories of European and American sociologists. Prerequisites: 1010, junior standing or consent of instructor.
- 4140. GERONTOLOGY, AN APPLIED DISCIPLINE.** (3-3-0). Aging and retirement in American society; changes, social policies, and reviews of research. Prerequisite: six hours of sociology or consent of instructor.
- 4150. PURE AND APPLIED MEDICAL SOCIOLOGY.** (3-3-0). Review of sociological research into the organization and administration of health care services; status, roles, and activities of health care personnel; health care organizations as social institutions. Prerequisite: six hours of sociology or consent of instructor.
- 4400. SOCIOLOGY OF THE FAMILY.** (3-3-0). Family as a social institution in various cultures. Theory and research concerned with the family. Prerequisites: 1010 and junior standing or consent of instructor.
- 4450. SOCIOLOGY OF DEATH AND DYING, AN APPLIED APPROACH.** (3-3-0). Death as a source of insight and theories concerning the relationship of society to the individual. Functionalists and social-psychological perspectives on death in the work of Durkheim, Malinowski, Parsons, Marcuse and Kubler-Ross. Suicide, games and festivals, ecstatic movements, memorials and contact with the dead in American society. Prerequisite: 1010 or consent of instructor.
- 4500. SEMINAR IN DRUG ABUSE.** (1 to 3-3-0). Extent of the problem and its setting; contributing factors and consequences; patterns and meanings in youthful drug use; programs for prevention and rehabilitation. Prerequisite: 2020 or consent of instructor.

SPACE SCIENCE (SPSC)

For Undergraduates Only

- 1010. SPECIAL TOPICS IN SPACE SCIENCE.** (1-2-0). Elementary concepts in space science. Open only to students designated as NASA Scholars. No more than four hours may apply toward degree requirements.

For Graduates Only

- 5120. INTRODUCTION TO SPACE FLIGHT FOR ELEMENTARY TEACHERS.** (3-3-0). The development of rocket flight from 1906 to 1970 by the major designers. Considerations for satellite design for earth or interplanetary flight. A brief study of the solar system and introduction to central force fields. Prerequisite: six hours of mathematics and six hours of physical science.
- 5130. INTRODUCTION TO ASTROPHYSICS AND SPACE SCIENCE FOR SECONDARY TEACHERS.** (3-3-0). The solar system, celestial mechanics, stellar structure, galactic phenomena, and cosmology. Prerequisites: two semesters of general physics, Mathematics 2100. The course will substitute for a physics course in a certification program for general science.

SPANISH (SPAN)

For Undergraduates Only

- 1010. INTRODUCTION TO SPANISH.** (3-3-0). Audio-lingual approach, with a minimum of formal grammar; emphasis on conversation.
- 1020. ELEMENTARY SPANISH.** (3-3-0). Continuation of 1010. Prerequisite: 1010.
- 2010. INTERMEDIATE SPANISH.** (3-3-0). Audio-lingual approach continued, supplemented by drill in the language laboratory. Reading material of moderate difficulty. Prerequisite: 1010, 1020.
- 2020. INTERMEDIATE SPANISH.** (3-3-0). Continued reading with discussions in Spanish. Review of the basic principles of grammar. Prerequisite: 2010.
- 2990. DIRECTED READING.** (3-3-0). For students pursuing a Spanish minor. May not be repeated. Does not satisfy 12 semester hour foreign language requirement.
- 3060. SPANISH GRAMMAR AND COMPOSITION I.** (3-3-0). Spanish grammar and syntax; oral pattern drills and the writing of original compositions.
- 3070. SPANISH GRAMMAR AND COMPOSITION II.** (3-3-0). Continuation of 3060. Prerequisite: 3060.
- 3080. SPANISH CONVERSATION.** (3-3-0). Concentrated practice on the oral phases of the language.
- 3090. SPANISH CONVERSATION.** (3-3-0). Continued concentrated practice on the oral phases of the language.
- 3100. SURVEY OF SPANISH LITERATURE FROM THE MIDDLE AGES THROUGH THE 17TH CENTURY.** (3-3-0). Forces behind the literature; outstanding examples of the literature.
- 3110. SURVEY OF SPANISH LITERATURE FROM THE 18TH CENTURY TO MODERN TIMES.** (3-3-0). Forces behind the literature; outstanding examples of the literature. Prerequisite: 3100.
- 4210. SPANISH CULTURE AND CIVILIZATION.** (3-3-0). Integration of historical, political, social, and artistic strata in Spanish culture.

For Undergraduates and Graduates

- 4220. TRANSLATION.** (3-3-0). An analytic approach to the structures of Spanish and English; strategies and techniques for the translation of texts; emphasis on topics of special interest. Prerequisite: Span 2020 or approval of instructor. Strongly recommended: Span 3060/3070 or 3080/3090.

SPECIAL EDUCATION (SPED)

For Undergraduates Only

- 3460. INTRODUCTION TO THE STUDY OF INDIVIDUALS WITH DISABILITIES.** (3-3-0). A survey of disabilities as defined under the IDEA, with emphasis on educational implications and inclusionary practices in school and community settings.
- 4050. BEHAVIORAL MANAGEMENT AND SUPPORT STRATEGIES FOR SCHOOL SETTINGS.** (3-3-2). Identification and implementation of behavioral support strategies to effectively address problem behavior in school. Course content focuses on proactive strategies and the development of behavioral support plans derived from functional behavioral assessments. Requires 30 hours of observation and participation. Prerequisites: Admission to teacher candidacy.
- 4180. MANUAL COMMUNICATION I.** (3-2-2). Instructional signing systems. Manual English, signing exact English, finger-spelling and cued speech.
- 4360. METHODS OF CLASSROOM MANAGEMENT.** (3-3-2). Proactive approaches to managing the classroom, including information and application on teaching rules and procedures, active student responding, strategies for maintaining appropriate behavior, and strategies for managing problem behavior. Includes 30 hours of field experiences.
- 4380. METHODS OF TEACHING STUDENTS WITH MILD/MODERATE LEARNING AND BEHAVIOR PROBLEMS.** (3-3-2). Techniques of teaching students with mild/moderate learning and behavior problems. Emphasizes multi-structured approaches, cognitive and affective skill development, and individualization of instruction. Observation and participation in resource and self-contained classrooms for students with mild/moderate disabilities for a minimum of 30 hours. Prerequisite: Admission to teacher candidacy.
- 4390. METHODS OF TEACHING BASIC SUBJECTS.** (3-2-2). Techniques of modifying content courses and subject matter curriculum to accommodate learning styles and allow for compensatory approaches for the disabled learner. Observation and participation of 30 hours. Prerequisite: 4350 or 5510 or consent of instructor.
- 4800. PRACTICUM IN TESTS AND MEASUREMENTS FOR EXCEPTIONAL CHILDREN.** (3-1-4). Curriculum-based assessment techniques and other informal diagnostic and prescriptive techniques for students with learning and behavioral problems. Includes a minimum of 60 hours of field experiences in assessment and evaluation. Prerequisite: Admission to teacher candidacy.

For Undergraduates and Graduates

- 4520. VOCATIONAL AND TRANSITION SERVICES FOR STUDENTS WITH DISABILITIES.** (3-3-0). Vocational and Transition Services for Students with Disabilities. Strategies for the transition of students with disabilities across the life span. Prerequisite: 3460 or consent of instructor.
- 4650. COMMUNICATION STRATEGIES FOR STUDENTS WITH SEVERE LANGUAGE AND COMMUNICATION DISORDERS.** (3-3-0). Strategies and methods to facilitate acquisition, generalization, and maintenance of functional language and communication skills for children and youth with severe language or communication disorders in both school and community-based settings. Course content includes strategies and methods for identifying and implementing augmentative and alternative communication systems. Prerequisite: 3460, 5510, or equivalent; or consent of instructor.

- 4820. IDENTIFICATION AND EVALUATION OF CHILDREN DURING THE DEVELOPMENTAL PERIOD.** (3-2-2). Phases of assessment and on-going evaluation through multidisciplinary interface. Twenty-five contact hours.
For Graduates Only
- 5070. SEMINAR IN SPECIAL EDUCATION: GIFTED.** (3-3-0). Review and critique of current literature and programs for gifted and talented children and adolescents. Prerequisite: 5840 or consent of instructor.
- 5170. INSTRUCTIONAL PLANNING FOR STUDENTS WITH MILD/MODERATE DISABILITIES.** (3-2-2). Conducting curriculum-based assessment for instructional planning and evaluation of student performance; developing and writing appropriate IEP/ITP objectives that address content standards and benchmarks. Includes a minimum of 30 hours of field experiences with students who have mild/moderate disabilities. Co-requisites: SPED 5180, 5190. Enrollment in the PREP program.
- 5180. METHODS OF TEACHING STUDENTS WITH MILD/MODERATE DISABILITIES.** (3-2-2). This course contains fundamentals of effective, empirical-based teaching methods that can be applied across curriculum areas and grade levels when teaching students with mild/moderate learning and behavior problems. Observation and participation in mild/moderate resource, self-contained, or inclusive classrooms for a minimum of 30 hours are required. Co-requisites: SPED 5170 and 5190. Enrollment in PREP.
- 5190. CLASSROOM AND BEHAVIOR MANAGEMENT.** (3-2-2). Classroom and behavior management strategies that emphasize proactive, preventative approaches to establishing and maintaining appropriate classroom behavior. Requires 30 hours of field placement. Co-requisites: SPED 5170 and 5180. Enrollment in PREP.
- 5230. INSTRUCTIONAL STRATEGIES FOR STUDENTS WITH SEVERE DISABILITIES.** (3-3-2). Strategies and methods to facilitate acquisition, generalization, and maintenance of functional skills for children and youth with severe disabilities in both school and community-based settings. Course content includes strategies and methods for teaching skills across domestic, community, academic, communication, social, pre-vocational and vocational domains. Prerequisites: 3460, 5510 or equivalent; or consent of instructor.
- 5240. POSITIVE BEHAVIORAL SUPPORT STRATEGIES FOR STUDENTS WITH SEVERE CHALLENGING BEHAVIOR.** (3-3-2). Identification and implementation of positive behavioral support strategies for students who demonstrate severe challenging behavior. Course content focuses on the development of behavioral support strategies derived from functional assessments. Requires 30 hours of observation and participation. Prerequisites: 3460, 5510, or equivalent; or consent of instructor.
- 5260. COLLABORATIVE TEAMING FOR STUDENTS WITH SEVERE DISABILITIES.** (3-3-0). Strategies for building collaborative teams for the provision of services to students with severe disabilities and incorporating services from related service personnel into educational programs. Includes working with parents, paraprofessionals, and medical personnel. Prerequisites: 3460, 5510, or equivalent; or consent of instructor.
- 5270. CURRICULUM DESIGN FOR STUDENTS WITH SEVERE DISABILITIES.** (3-3-2). Curriculum approaches and strategies to design, implement, and monitor functional and age-appropriate programs for children and youth with severe disabilities in both school and community-based settings. Prerequisite: 3460, 5510, or equivalent.
- 5280. PRACTICUM IN SEVERE DISABILITIES.** (3-0-4). Supervised implementation of instructional strategies across curriculum domains and behavioral support strategies in classrooms serving students with severe disabilities. Requires 60 contact hours. Prerequisites: 4650, 5230, 5240, 5270 or consent of instructor.
- 5290. PRACTICUM IN ASSESSMENT OF STUDENTS WITH SEVERE DISABILITIES.** (3-1-4). Coursework and practicum in assessment techniques for students with severe disabilities. Required activities include exposure to and experience with informal assessment procedures across curriculum areas to generate IEP objectives, measurement strategies, and methods for monitoring progress. Requires 60 contact hours. Prerequisite: consent of instructor.
- 5300. SERVICE DELIVERY ISSUES FOR STUDENTS WITH SEVERE DISABILITIES.** (3-3-0). Examines the issues involved in providing quality services to students with severe disabilities, including instructional and curricular design, inclusion strategies, and preparation for community living and employment.
- 5320. FOUNDATIONS OF EARLY CHILDHOOD EDUCATION FOR YOUNG CHILDREN WITH DISABILITIES.** (3-3-0). Historical developments, early intervention rationale, literature concerning various placement centers, current law and due process procedures, trends and issues, model program studies, staffing and administrative concerns, community and parent concerns. Twenty contact hours as defined by certification standards. Prerequisite: 5510 or consent of instructor.
- 5340. EVALUATION OF EXCEPTIONAL CHILDREN.** (3-1-4). Construction and administration of curriculum-based assessment procedures; includes 50 hours supervised practicum experience. Prerequisite: SPED 5510 or consent of instructor.
- 5350. PARENTS OF EXCEPTIONAL CHILDREN.** (3-3-0). Theory and practice related to consulting with parents, stressing interpersonal skills required to develop and maintain the communication/organizational home-school interrelationships necessary for optimal educational planning of exceptional children. Due process and parental rights guaranteed under Public Law 94-142. Prerequisite: 5510 recommended.
- 5370. CURRICULUM AND METHODS FOR NON-CATEGORICAL EARLY CHILDHOOD SPECIAL EDUCATION.** (3-3-0). Overview of models of early intervention with varying philosophical bases, including their applicability and relevance for infant/toddlers/ preschool children with special needs. A study of developmental intervention curricula including language/communication and cognitive, physical, and social-emotional. Service delivery options will emphasize the least restrictive environment.
- 5380. CURRICULUM-BASED ASSESSMENT.** (3-3-0). Designed to provide teachers with the procedures and tools used to construct and administer curriculum-based assessments for instructional planning and evaluation of student performance. Includes identifying and writing IEP/ITP goals and objectives that address content standards and benchmarks. Co-requisite: Concurrent enrollment in SPED 5480.
- 5410. ORGANIZATION AND ADMINISTRATION OF SPECIAL EDUCATION PROGRAMS: PUBLIC AND PRIVATE.** (3-3-0). Problems, procedures in organization, administration, and evaluation of special classes for infants, children, adolescents, and adults with disabilities in the public and private school systems. Prerequisites: 5510 and Educational Leadership 5100, consent of instructor.

5420. **ADVANCED STUDY IN THE ADMINISTRATION OF PROGRAM FOR ATYPICAL STUDENTS.** (3-3-0). Program evaluation and problem solving course for school administrative personnel who deal with special programs; positive accountability methods. Prerequisite: 5410.
5430. **SUPERVISION OF SPECIAL EDUCATORS.** (3-3-0). Personnel theory as applied to special education with emphasis on planning and long range staff development for schools. Practical application of supervision change. Prerequisite: 5410, 5420.
5440. **PRACTICUM IN ADMINISTRATION/SUPERVISION IN SPECIAL EDUCATION.** (3 to 6-0-18). On-site placement of supervisory and/or administrative interns for implementation of concepts gained during university training in the administration of special programs for exceptional children. Prerequisite: 5410, 5430.
5450. **PRACTICUM, MILD/MODERATE DISABILITIES.** (3 to 6-0-12 to 24). Supervised observation and practice teaching with mild/moderate disabilities for a minimum of 60 contact hours. May be repeated for a maximum of six hours credit. Prerequisite: 5510, 5340, 5520 5570, 5600, Educational Psychology 5370, or consent of instructor.
5460. **FIELD STUDY IN SPECIAL EDUCATION.** (6-6-0). Original field research project. Conducting a useful applied research study. The final product will be a written report on the research project.
5480. **PRACTICUM IN ASSESSMENT.** (3-0-4). Administration of curriculum-based assessments for instructional planning and evaluation of student performance. Requires 60 hours of field-based experience in conducting, reporting, and analyzing assessments. Co-requisite: Concurrent enrollment in SPED 5380.
5510. **THE STUDY OF INDIVIDUALS WITH DISABILITIES.** (3-3-0). Introduction to the study of individuals with disabilities. Common types of physical, learning, and behavior/emotional disabilities and implications for their life-long success in education and other settings. Prerequisite: consent of instructor.
5520. **METHODS OF CLASSROOM ORGANIZATION, MANAGEMENT, AND MOTIVATION.** (3-2-2). The extension of basic skills applications to accommodate the specific learning needs of students with mild/moderate disabilities in relation to classroom organization, management and motivation. Documented observation and participation in mild/moderate inclusive, resource and/or self-contained classrooms for a minimum of 30 hours is required. Prerequisite: 5510 or consent of instructor.
5570. **METHODS OF TEACHING BASIC SUBJECTS.** (3-2-2). Research-based strategies, methods, and procedures for teaching students with mild/moderate learning and behavior problems will be learned and applied. Documented observation and participation in mild/moderate inclusive, mainstream, resource, and/or self-contained classrooms for a minimum of 30 hours is required. Prerequisite: 5510.
5600. **METHODS OF TEACHING STUDENTS WITH MILD/MODERATE LEARNING AND BEHAVIOR PROBLEMS.** (3-2-2). Techniques of teaching students with mild/moderate learning and behavior problems, multi-structured approaches, cognitive and affective skill development, individualization of instruction. Documented observation and participation in mild/moderate inclusive, mainstream, resource and/or self-contained classrooms for a minimum of 30 hours is required. Prerequisite: 5510.
5620. **SPECIAL EDUCATION COMPLIANCE.** (3-3-0). Special education legislation, federal, and State of Louisiana. Prerequisites: 3460 or 5510, or consent of instructor.
5830. **TEACHING CREATIVE THINKING.** (3-3-0). Theories in creativity, its measurement, and its implications for education.
5840. **PSYCHOLOGY OF THE GIFTED.** (3-3-0). Philosophy, definitions and identification, characteristics, personality development and adjustment and research findings regarding intellectually superior students. Prerequisite: 5510 or consent of instructor.
5850. **RESEARCH IN HUMAN POTENTIAL.** (3-3-0). Review of research related to special problems and populations of the gifted; research on developing the potential of gifted students, culminating with a paper of publishable quality. May be taken through independent study. Prerequisites: 5840 and Education 5010 or equivalent.
5860. **TRENDS AND ISSUES IN CURRICULUM DEVELOPMENT FOR THE ACADEMICALLY GIFTED.** (3-3-0). Research and developments in educating the academically gifted, culminating with a research paper. May be taken through independent study. Prerequisite: 5840, its equivalent, or consent of instructor.
5870. **COUNSELING THE GIFTED.** (3-3-0). Designed to provide school personnel and parents with techniques for enhancing interpersonal relationships with gifted students. Emphasis on counseling/communication skills and specific strategies for facilitating emotional wellness and coping ability in these students. Prerequisite: 5840 or consent of instructor. (Same as Counseling 5870).
5890. **CURRICULUM AND METHODS FOR THE ACADEMICALLY GIFTED.** (3-3-0). Philosophy, aims, theories, organization and development of curricula and individual education programs for academically gifted students. Review and critical evaluation of materials, techniques, strategies, curricula, and programs used for educating the gifted. Prerequisite: 5840.
5900. **PRACTICUM, ACADEMICALLY GIFTED.** (3-0-6). University-supervised participation in program designed to teach academically gifted students. May be repeated for a maximum of nine hours credit in order to obtain the 200 student-contact hours required for state certification. Prerequisites: 5840 and 5860 or 5890.
5910. **SEMINAR IN SPECIAL EDUCATION AS APPLIED TO EDUCATION.** (3 to 6-1-7 to 14). Seminar requiring the review, critique, and integration of current literature. May be repeated for three hours. Prerequisite: 5510 or consent of instructor.
5920. **TRENDS AND ISSUES IN SPECIAL EDUCATION.** (3-3-0). Current trends and issues, and philosophical concepts in special education. Prerequisite: 5510 or consent of instructor.
5960. **INTERACTIVE TEAMING.** (3-3-0). Professional, parental, and interagency sharing of information, strategies, and expertise in which two or more persons work together to meet a common goal of supporting children, adolescents, and adults with disabilities. Prerequisite: 5510 or consent of instructor.
5970. **PRINCIPLES OF DIAGNOSTIC PRESCRIPTIVE TEACHING.** (3-3-0). Formal and informal psychoeducational tests used with exceptional children; psychoeducational interpretation of these tests; use of the prescriptive teaching model based on the analysis of student needs. Prerequisite: 5510 or consent of instructor.
5980. **THESIS.** (3-3-0). May be repeated for a maximum of six hours.

SPEECH (SPCH)

For Undergraduates Only

- 1010. FUNDAMENTALS OF SPEECH.** (3-3-0). Development of desirable habits for normal speech situations; effective use of voice, oral language, and bodily actions; basic principles of speech composition. Open to all students, prerequisite to other speech courses.
- 1020. VOICE AND DICTION.** (3-3-0). Physiological mechanics of oral sounds; technical analysis of voice quality. Special exercises to develop accurate placement and correct manner of production of vocal sounds.
- 1210. ORAL INTERPRETATION.** (3-3-0). Analysis of literature for the purpose of oral reading as a performance mode; first principles of vocal technique and interpretation. Prerequisite: 1010.
- 2010. ADVANCED PUBLIC SPEAKING.** (3-3-0). For students who have had elementary work in public speaking and who desire experience in developing more extended public addresses. Preparation and delivery of extemporaneous speeches, including selection and arrangement of material, audience analysis, and techniques of effective delivery. Prerequisite: 1010.
- 2050. ARGUMENTATION AND DEBATE.** (3-3-0). Principles; phrasing, analyzing and proving the proposition; methods of proof; fallacies in logic; refutation; elements of persuasion; brief-drawing, preparation of forensics; delivery; actual practice in debating.
- 2500. INTERPERSONAL COMMUNICATION.** (3-3-0). Theory and practice of one-to-one communication. Extensive practice in oral communicative techniques relative to effective speaking situations involving two-person and small group environments. Attention paid to techniques applicable to organizational communication formats.
- 3120. GROUP DYNAMICS.** (3-3-0). Principles, purposes, and types of discusional speaking; practice in informal discussion, round-table, panel, symposium, and assembly chairmanship.
- 3980. DEBATE PRACTICUM.** (3-0-10). Supervised activity on the University debate team. Can be counted for degree credit only once. Prerequisite: admission to debate team.
- 4110. COMMUNICATION THEORY.** (3-3-0). Consists of an overview of theories that explain a wide range of communication phenomena in interpersonal relationships, mass communication, messages, groups and organizations and diverse cultures.
- For Undergraduates and Graduates
- 4010. RHETORICAL ANALYSIS.** (3-3-0). Public address from classical times to the modern period in America and Europe. Speeches and speaking careers of outstanding statesmen, lawyers, and clergymen. Types of speech criticism and measures of effectiveness of public address.
- 4020. BUSINESS, EDUCATIONAL AND PROFESSIONAL SPEAKING.** (3-3-0). Advanced study, preparation and presentation of business and professional speeches; conference leadership and persuasive and informational presentations. Instructional presentations, policy speeches, speeches for special occasions, and the use of visual aids in explanation and demonstration. Prerequisite: 1010 or certificate to teach.
- 4030. RHETORICAL THEORY.** (3-3-0). Significant developments in rhetorical theory and practice in classical, medieval, and Renaissance periods as well as the modern period in Europe and America.

STATISTICS (STAT)

For Undergraduates and Graduates

- 4270. MATHEMATICAL STATISTICS I.** (3-3-0). Topics in probability; frequency distribution, expected values, moments; sampling distributions; point estimation. Prerequisite: Mathematics 3150.

For Graduates Only

- 5280. MATHEMATICAL STATISTICS II.** (3-3-0). The normal distribution with more than one variable; estimators and their properties; hypothesis testing; regression experimental design and analysis of variance. Prerequisite: 4270.

STUDENT PERSONNEL SERVICES (SPS)

For Undergraduates Only

- 1010. IDENTITY AND INTERPERSONAL SKILLS.** (3-3-0). This course is designed for students to engage in personal introspection, learn proactive interpersonal skills, and be challenged by peers through discussions and experiential activities. This course will assist students with development of a personal identity, adjustment to college, and effective interaction with individuals and groups representing different social, economic, and cultural backgrounds.
- 2020. RESIDENT ASSISTANT SKILLS TRAINING.** (3-3-0). Acquisition of basic interpersonal and counseling skills, student development theory, methods and techniques of community building, educational and social programming, discipline, student government advisement, and tolerance of diversity. Enrollment by permission of Department of Housing only.
- 4000. COLLEGE TO WORK TRANSITION SKILLS.** (3-2-2). A senior capstone interdisciplinary course that focuses on the process and psychology of the transition from undergraduate studies to the world of employment. Designed to provide graduating students with a solid foundation of skills and abilities appropriate for making the transition from college to life and work experience and will draw from the theories of John Gardner. Prerequisite: junior or senior standing.

For Graduates Only

- 5500. INTRODUCTION TO STUDENT PERSONNEL SERVICES.** (3-3-0). Philosophy, concepts, and objectives of student personnel programs; services, materials, methods and personnel involved in carrying on a program.
- 5550. SUPERVISED EXPERIENCE/PRACTICUM.** (3-1-5). Supervised training opportunity to practice and demonstrate competency in the practical application and integration of principles and methods which have been studied in the training program. Required for students completing the administrative concentration in Student Personnel Services. Prerequisites: A grade of B or better in SPS 5500 and COUN 5000, admission to the Student Personnel Services Program, and permission of program faculty are required.
- 5570. INTERNSHIP IN COLLEGE STUDENT PERSONNEL.** (3-1-20). Practice and training in a specific area of either college counseling or student affairs administration. Experience entails a minimum of 300 hours of service (including 120 hours of direct contact with the target clientele) across one semester. Two semesters of registration are required for graduation. Prerequisite: program faculty permission and a grade of B or better in either COUN 5550 or SPS 5550.
- Subtitles:
01-housing
02-personnel

- 03-placement
- 04-student union activities
- 05-financial aid
- 06-counseling
- 07-records and admission
- 08-food services
- 09-orientation
- 10-veterans affairs
- 11-properties and facilities
- 12-university classified personnel
- 13-student services
- 14-external affairs
- 15-research and development
- 16-continuing education
- 5580. **GROUP PROCESS.** (3-3-0). Principles and techniques of group procedures; interactions and roles played within groups; function of group counseling. Prerequisites: COUN 5550 or SPS 5550, or consent of instructor.
- 5800. **ALCOHOL AND DRUG ABUSE COUNSELING.** (3-3-0). Didactic and experiential study of the 12 core functions utilized in Alcohol and Drug Abuse Counseling. Covers basic steps in assessing, developing, and implementing a program of recovery.
- 5880. **ADMINISTRATION AND PROGRAMMING IN UNIVERSITY RESIDENCE HALLS.** (3-3-0). Administration of university residence halls within a proactive educational philosophy. Focus on development of programming skills. Prerequisite: 5500.
- 5910. **PERSONNEL ADMINISTRATION IN HIGHER EDUCATION.** (3-3-0). Methods of personnel supervision and evaluation; issues and trends in collective bargaining; and human resource development practices in higher education. Prerequisite: 5500.
- 5920. **THE AMERICAN COLLEGE AND STUDENT.** (3-3-0). Student development theory focusing on the developmental issues of college students and the impact of college environments upon students.
- 5930. **ORGANIZATION AND ADMINISTRATION OF STUDENT PERSONNEL SERVICES IN HIGHER EDUCATION.** (3-3-0). Seminar in organization and administration of systems for providing student personnel services in higher education. Prerequisite: 5500.
- 5940. **SEMINAR IN STUDENT AFFAIRS AND HIGHER EDUCATION.** (3-3-0). Contemporary issues, trends, and research in student affairs. In-service activities will focus on professional ethics, standards, leadership, budgeting, compensation and benefits, campus environments and administration.
- 5960. **LEGAL AND ETHICAL ISSUES IN STUDENT AFFAIRS AND COUNSELING.** (3-3-0). Legal ethical issues for student affairs administrators, college counselors, and private practitioners. Prerequisite: 5500.
- 5970. **SEMINAR IN CURRENT ISSUES IN HIGHER EDUCATION AND STUDENT AFFAIRS.** (3-3-0). This course focuses on special topics in student affairs work in higher education including current challenges to unique types of institutions and populations as well as cutting edge issues occurring each semester.
- 5980. **THESIS.** (3-0-3). Six hours maximum.

THEATRE (THEA)

For Undergraduates Only

- 1010. **THEATRE PRACTICUM.** (2-0-4). Laboratory for skills in applied arts. Development of production techniques and participation in productions as crew and/or cast. May be repeated for credit. Up to four hours may be applied toward a degree. Open to all students.

- 2300. **INTRODUCTION TO THEATRE ARTS.** (3-3-0). Theatre as an art; principles of dramatic production; observational experiences.
- 2310. **STAGECRAFT I.** (3-1-4). Design and execution of basic scenic units; crew and shop organization; scene painting. Participation in University and/or laboratory production.
- 2320. **ACTING TECHNIQUE I.** (3-1-4). The actor's media, sensory responsiveness, bodily movement; voice; practice in scene study.
- 2330. **STAGECRAFT II.** (3-1-4). Rigging and handling scenery; design and execution of the floor plan; advanced painting techniques. Participation in University and/or laboratory production. Prerequisite: 2310.
- 2340. **VOICE FOR THE ACTOR I.** (2-0-3). Principles of vocal production applied to development of characterization for the stage.
- 2350. **VOICE FOR THE ACTOR II.** (2-0-3). Advanced principles of vocal production applied to development of characterization for the stage. Added emphasis on period style and specialized vocal patterns (dialects).
- 2360. **DRAMATIC LITERATURE I (GREEKS-17TH CENTURY).** (3-3-0). Reading and critical examination of selected major dramatic works from early Greece through the period of the late 1500's prior to Shakespeare in England.
- 2370. **DRAFTING FOR THEATRE.** (3-3-0). Understanding and creating theatre drafting; including floor plans, elevations, working drawings, sections and perspectives.
- 2380. **STAGE COMBAT.** (3-3-0). Study of stage combat and violence. Techniques involving Rapier and Dagger, Quarterstaff, and Unarmed Combat.
- 3010. **THEATRE PRACTICUM.** (2-0-4). Applied arts. Refinement of production techniques and participation as crew supervisor, designer, or in major role. May be repeated for credit. Up to four hours may be applied to a degree.
- 3120. **STAGE MANAGEMENT.** (3-1-4). Factors of play selection, casting, rehearsal procedures. Scene rehearsal and the construction of the director's production book. Understanding the role of the director and stage manager. Examine the duties and responsibilities of the theatrical stage manager. Prerequisite: consent of instructor.
- 3140. **ADVANCED CRAFTS: FABRICATIONS FOR THEATRE-METAL.** (3-1-5). Lecture, discussion, demonstration, and hands-on practice of metal fabrication techniques as they apply to contemporary Theatre. Prerequisite: 1010, 3010, or consent of instructor.
- 3220. **DIRECTING FOR STAGE.** (3-1-4). Staging of short productions. Duties and roles of the director and stage manager. Assignment to these functions in University stage and television productions. Prerequisite: consent of instructor.
- 3300. **SUMMER THEATRE WORKSHOP.** (3-3-0). Training and experience in all phases of theatrical production; problems in acting and staging; public performance of full-length plays; experimental production of one-act plays. Prerequisite: consent of the director.
- 3320. **ACTING TECHNIQUE II.** (3-1-4). Character roles and styles of acting; public performances. Prerequisite: 2320 or equivalent.
- 3330. **LIGHTING FOR THE STAGE.** (3-1-3). Elementary principles of illumination, control media, instrumentation. Practice in University and laboratory productions and/or programs servicing University functions. Prerequisite: 2310 or consent of instructor.
- 3340. **COSTUMING FOR STAGE.** (3-1-4). Basic costume design; construction of costumes for University and laboratory productions.

- 3350. MAKE-UP FOR STAGE.** (3-1-4). Theory and practice of make-up for the stage and television. Character analysis make-up design and use of prosthetics. Participation in performance productions.
- 3360. ADVANCED COSTUMING.** (3-1-4). Design and execution of stage costumes, pattern making and adaptation. Participation on costume crew for University and/or laboratory production. Prerequisite: 3340 or consent of instructor.
- 3370. HISTORY OF THE THEATRE.** (3-3-0). Origins of drama; evolution of the plant and staging practices from primitive drama through the English Restoration.
- 3380. DRAMATIC LITERATURE II (17TH CENTURY-1900).** (3-3-0). Reading and critical examination of selected major dramatic works from the early 17th century to 1900 and the early development of Realism.
- 3390. SOUND REINFORCEMENT AND RECORDING.** (3-1-4). Fundamental electronic and acoustic principles of sound reinforcement and audio/video recording. Techniques of sound engineering, systems and equipment. Psychoacoustic research and application to the stage and studio environment.
- 3410. COSTUME CRAFTS.** (3-3-0). Costume construction elements outside of garment-making; crafts as a design tool will be explored through fabric dying/painting, jewelry, masks, shoe and boot construction and millinery.
- 4230. MUSICAL THEATRE PERFORMANCE.** (3-3-0). A specialized performance course in the presentation of musical theatre material from audition through performance. Emphasis on proper vocal technique and the acting and movement skills required for effective performance on the musical stage. Prerequisite: consent of instructor.
- 4250. AUDITIONS.** (3-1-4). Specialized techniques necessary for actors to relate to the auditioning process including building an appropriate repertoire of material, preparing a resume and picture, and developing an audition "persona". Prerequisite: two performance courses or consent of instructor.
- 4260. SPECIAL PROBLEMS - THEATRE LITERATURE.** (3-3-0). A periodic "Figures" course, allowing for a more intensive study of the major contributions to dramatic literature by specific playwrights.
- 4320. SURVEY OF PERIOD STYLES.** (3-3-0). A course structured to familiarize designers and directors with period styles of architecture, costume and performance from antiquity to the present. Development of research and presentation skills in production design approach is an additional aim of the course.
- 4350. MUSICAL THEATRE LITERATURE.** (3-3-0). Readings and listenings in musical from "The Black Crook" and early operetta through the current scene on Broadway and in the West End of London.
- 4360. THE BUSINESS OF THEATRE.** (1-0-4). Practical problems of working in the: resumes, union affiliations, use of theatrical agents, portfolio preparation and additional professional training.
- 4410. ADVANCED THEATRE PRACTICUM.** (2-0-4). Applied Arts. Advanced application of production techniques and participation in crew supervision, design or major technical assignment. Prerequisite: 1010, 3010.
- 4440. SCENE PAINTING.** (3-3-0). Practical analysis and application of scene painting skills; materials (paints, dyes, fabrics) and equipment. Prerequisite: 2310.
- 4450. THEATRICAL RENDERING.** (3-3-0). Techniques employed in sketching and preparing drawings for scenic and costume designs for the theatre.
- 4480. SCRIPT ANALYSIS.** (3-3-0). An examination of the play script in terms of dramatic content and imagery. Emphasis on analysis as an information—gathering and interpreting tool.
- 4980. SENIOR THESIS.** (3-0-0). Major directing or design project and formal correlative paper. The project is to be staged for public presentation. Prerequisite: senior standing in the curriculum.

¹ No more than nine hours of 3300 may apply toward a degree.

For Undergraduates and Graduates

- 4220. ADVANCED ACTING.** (3-1-4). Major acting theories and practices. Styles and techniques of the avant garde. Prerequisite: consent of instructor.
- 4240. ACTING SHAKESPEARE.** (3-1-4). Theory and practice for analysis and performance of Shakespearean text. Elizabethan acting style and technique and contemporary approaches will be demonstrated in acting monologues and scenes. Prerequisite: 2320, 3320 and/or 4220 or consent of instructor.
- 4300. PLAY WRITING.** (3-3-0). Dramatic forms, creative writing and presentation of original plays.
- 4310. SCENE DESIGN FOR STAGE.** (3-1-4). Principles of stage picturization; creating the stage environment for dramatic literature, the rear elevation; rendering the design cartoon; model building. Prerequisite: consent of instructor.
- 4330. MODERN DRAMA.** (3-3-0). Modern European and American dramatic literature from Ibsen and the emergence of Realism to the advent of Absurdism.
- 4340. CONTEMPORARY DRAMA.** (3-3-0). Literature of the contemporary : trends from the roots of Absurdism in France through the Avant-Garde on a world scale; immediate scene in the United States and abroad. Prerequisite: 2360, 3380 or 4330.
- 4370. HISTORY OF THE THEATRE II.** (3-3-0). The growth of theatre arts from the 17th century to the present.
- 4380. THE AMERICAN STAGE.** (3-3-0). The development of enterprise in the U.S. from the 18th century to the present. movement westward, the frontier, the New Orleans, the community, contemporary resident's.
- 4420. COSTUME DESIGN FOR STAGE.** (3-1-4). The design of garments adapted for historical periods and contemporary styles. Prerequisite: consent of instructor.
- 4430. LIGHTING DESIGN FOR STAGE.** (3-1-4). Principles of the light plot, relation of light and color to scene design. Advanced principles of contemporary control instrumentation. Practice in University and laboratory production and/or programs servicing various University functions. Prerequisite: 3330 or consent of instructor.
- 4520. THEORY AND CRITICISM.** (3-3-0). Aspects of various forms of dramatic production, their historical significance and relation to allied arts of music, dance, and design; basic concepts involved in dramatic criticism. Prerequisite: consent of instructor.
- 4950. UNITED STATES CENTERS.** (1 to 6-0-0). Study tours of selected centers of theatrical activity in the U.S.
- 4960. FOREIGN CENTERS.** (1 to 6-0-0). Study tours of selected centers of theatrical activity abroad.

For Graduates Only

- 5300. SUMMER WORKSHOP.** (3 to 9-0-0). Supervision of production activities, practicum in organization, planning and execution of crew work; acting and directing in Summer Repertory Company. Prerequisite: 18 hours of courses or consent of director.

5320. DIRECTING EDUCATIONAL THEATRE. (3-3-0). Methods of supervising dramatic activities in elementary and secondary schools; organization of dramatic clubs, directing school plays, equipment of school stages. Prerequisite: Education 4020 or 4040 or teaching experience.

5950. SPECIAL PROBLEMS. (1 to 6-0-0).

¹ No more than nine hours of 5300 may apply toward a degree.

VETERINARY TECHNOLOGY (VTEC)

For Undergraduates Only

1010. INTRODUCTORY VETERINARY TECHNOLOGY I. (2-2-0). General animal breeds, animal restraints, taking a patient history, physical examination of the animal, public relations, office administrations, and ethics and jurisprudence.

1011. INTRODUCTORY VETERINARY TECHNOLOGY I LABORATORY. (1-0-2). Prerequisite: registration in or credit for 1010.

1020. MEDICAL TERMINOLOGY. (2-2-0). Breaking down and defining common medical terms used in effective communication. Same as Allied Health 1020.

1030. INTRODUCTORY VETERINARY TECHNOLOGY II. (2-2-0). Medical nursing, diagnostic sampling, and treatment techniques of small animals, horses, food animals, and laboratory and exotic animals; veterinary pharmacology. Prerequisite: 1010-1011.

1031. INTRODUCTORY VETERINARY TECHNOLOGY II LABORATORY. (1-0-2). Prerequisite: registration in or credit for 1030.

2060. PHARMACOLOGICAL CALCULATIONS. (1-1-0). General mathematics used by medical personnel involved in calculating dosages on common drugs, reading drug orders and labels, intravenous flow rates, and systems of measure. Prerequisite: Mathematics 1020, 1060.

2090. VETERINARY ANATOMY AND PHYSIOLOGY. (2-2-0). Gross anatomy of domestic animals; how each organ system functions. Prerequisite: registration in or credit for 2091, Biology 1020-1021; or consent of instructor.

2091. VETERINARY ANATOMY AND PHYSIOLOGY LABORATORY. (2-0-4). Prerequisite: registration in or credit for 2090.

2100. GENERAL VETERINARY PARASITOLOGY. (2-3-0). Ecto and endoparasites of animals; parasites of public health importance; control measures. Prerequisite: registration in or credit for 2101; Biology 1010-1011, 1020-1021.

2101. GENERAL VETERINARY PARASITOLOGY LABORATORY. (2-0-2). Prerequisite: registration in or credit for 2100.

2190. VETERINARY HOSPITAL TECHNOLOGY I. (2-2-0). Theory and techniques of hematology, urology, serology, cytology, and bacteriology. Prerequisite: registration in or credit for 2191; Biology 1020-1021.

2191. VETERINARY HOSPITAL TECHNOLOGY I LABORATORY. (2-0-4). Prerequisite: registration in or credit for 2190.

2200. VETERINARY HOSPITAL TECHNOLOGY II. (2-2-0). Applied pharmacology, anesthesia and surgical nursing. Pre- and post-operative care of animals. Prerequisite: grade of C or better in 2190-2191, and 2090-2091, registration in or credit for 2201.

2201. VETERINARY HOSPITAL TECHNOLOGY II LABORATORY. (2-0-4). Prerequisite: registration in or credit for 2200.

2300. PEDIATRICS AND GERIATRICS. (2-2-0). Special needs of the newborn and geriatric cases. Medical and surgical care, techniques in handling; behavioral problems. Prerequisite: 2200-2201.

2400. THERIOGEOLOGY. (3-3-0). Veterinary obstetrics and genital diseases. Prerequisite: approval of the instructor.

2600. ANIMAL CARE AND HEALTH. (2-2-0). Basic nutrition of animals; kennel sanitation and maintenance; emergency situations; herd health.

2700. VETERINARY TECHNOLOGY. (2-2-0). Theory and application of radiological principles. Prerequisite: grade of C or better in 2090-2091, registration in or credit for 2701.

2701. RADIOLOGY LABORATORY. (1-0-2). Prerequisite: registration in or credit for 2700.

2900. VETERINARY TECHNOLOGY INTERNSHIP. (12-0-0). Laboratory 40 hours per week. One semester of clinical training under the supervision of a doctor of veterinary medicine approved by the Department of Life Science. Unless otherwise approved by the Department, clinical training must take place at Louisiana State University School of Veterinary Medicine Teaching Hospital and Clinics in Baton Rouge, Louisiana. Students should complete 2190-2191, 2200-2201 within one year prior to registering for 2900 or have consent of the Department.

3010. DISEASES OF ANIMALS. (3-3-0). Major diseases of the equine and companion animals including pathophysiology, etiology, and prevention. Prerequisite: approval of instructor.

3040. DISEASES OF FARM ANIMALS. (3-3-0). Causative agents, prevention, diagnosis and treatment. Prerequisite: 2090-2091, Agriculture 1040; or consent of instructor.

ZOOLOGY (ZOO)

For Undergraduates Only

1220. HUMAN ANATOMY. (3-3-0). Gross structure of the human body; clinical aspects. Prerequisite: registration in or credit for 1221.

1221. HUMAN ANATOMY LABORATORY. (1-0-2). Prerequisite: registration in or credit for 1220.

1230. HUMAN PHYSIOLOGY. (3-3-0). Function of the principal organ systems of the human body and their relationship to maintenance of homeostasis. Prerequisite: registration in or credit for 1220.

1231. HUMAN PHYSIOLOGY LABORATORY. (1-0-2). Prerequisite: registration in or credit for 1230.

2000. INTRODUCTION TO MARINE ZOOLOGY. (4-4-0). Survey of marine animals particularly those of the Louisiana Gulf Coast, including classification, morphology, physiology and ecology. Prerequisites: eight semester hours of biology. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.

2050. INVERTEBRATE ZOOLOGY. (2-2-0). Morphology, taxonomy, physiology, life history, evolution, ecology, and economic importance of the major invertebrate phyla. Prerequisites: registration in or credit for 2051; Biology 1020-1021.

2051. INVERTEBRATE ZOOLOGY LABORATORY. (2-0-4). Prerequisite: registration in or credit for 2050.

2060. COMPARATIVE ANATOMY. (2-2-0). The vertebrate systems, morphology, taxonomy, and evolution of the chordate groups; comparative dissections of dogfish, necturus and cat. Prerequisites: registration in or credit for 2061; Biology 1020-1021.

2061. COMPARATIVE ANATOMY LABORATORY. (2-0-4). Prerequisite: registration in or credit for 2060.

- 2070. FORENSIC ENTOMOLOGY.** (3-3-0). The scientific examination of insects and other arthropods associated with the decomposition of human and animal remains, feedstuffs, as well as insects or their parts associated with humans or their activities. Prerequisite: BIOL 1020-1021. Corequisite: 2071.
- 2071. FORENSIC ENTOMOLOGY LABORATORY.** (1-0-3). The forensic entomology laboratory will familiarize students with the biology and identification of insects and other arthropods of forensic significance. Corequisite: 2070.
- 2100. INTRODUCTION TO MARINE SCIENCE.** (4-4-0). Introduction to physical, chemical, geological and biological processes in the oceans and coastal environments and their interactions; interrelations of man and the marine environment. Prerequisites: Introductory science course. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 2290. INTRODUCTION TO WILDLIFE AND FISHERIES MANAGEMENT.** (3-3-0). Survey of wildlife populations including ecology and management principles. Emphasis on resident wildlife of the South including white-tailed deer, wild turkey, rabbits, tree squirrels, bob-white quail, alligators, and other game, non-game, exotic and endangered species and predators. Survey of fish populations including biology and management principles. Emphasis on resident warm-water fish and coastal anadromous species management to include largemouth bass, striped and hybrid striped bass, sunfish, crappie, catfish, and other species of interest. Pond and reservoir management will be addressed as well as commercial fisheries and aquaculture. Management of organisms, habitats, and human users will be examined from an ecological and sociological perspective.
- 3220. WILDLIFE MANAGEMENT AND TECHNIQUES.** (3-3-0). Methods and principles of studying animal populations; population growth, movements, measurements and modeling; habitat management and alteration; legislation and wildlife management; administration and planning; management applications to big game, small mammals, waterfowl, shore and upland birds, non-game, endangered and exotic species; animal damage and impacts. Prerequisites: registration in or credit for 3221; Biology 1020-1021.
- 3221. WILDLIFE MANAGEMENT AND TECHNIQUES LABORATORY.** (1-0-3). Use of literature to include data bases; research methods; population dynamics; control of animal populations; values of regulations, refuge system, artificial propagation, predator control and habitat improvement; trapping, tagging, marking, telemetry procedures; restoration, restocking and hacking programs; field trips to area wildlife management agencies at federal, state, and private levels. Three-day weekend trip to an area such as Rockefeller Wildlife Refuge is required. Prerequisite: registration in or credit for 3220.
- 4920. SPECIAL PROBLEMS IN MARINE SCIENCE.** (1 to 4-0-0). Directed undergraduate research and study at a coastal laboratory of the Louisiana Universities Marine Consortium. By arrangement.
- 4950. ZOOLOGICAL PROBLEMS.** (1 to 4-0-0). Individual research on some zoological problem not within the scope of regularly scheduled courses; conferences with instructor as needed; procedures, results, and conclusions presented in the form of a research paper. Prerequisites: junior standing; consent of department head and proposed research director. Areas of concentration are identified as follows:
01-anatomy
02-behavior
03-parasitology
04-development
05-entomology
06-fish
07-genetics
08-invertebrate zoology
09-immunology
10-mammalogy
11-ornithology
12-physiology
13-microtechnique
14-herpetology
15-wildlife
- 4960. WILDLIFE MANAGEMENT PRACTICUM.** (2-0-0). Work experience with federal, state or private industry concerned with management of natural resources. Required of all wildlife minors and coordinated through departmental faculty and cooperating agency. Written report. Prerequisite: consent of departmental faculty.
- ¹ This course may be repeated any number of times. No more than six hours may be applied toward the M.S. degree.
- For Undergraduates and Graduates
- 3010. ENTOMOLOGY.** (2-2-0). Introduction to Phylum Arthropoda. Fundamentals of morphology, physiology, systematics, and life histories. Prerequisites: registration in or credit for 3011; Biology 1020-1021.
- 3011. ENTOMOLOGY LABORATORY.** (2-0-3). Prerequisite: registration in or credit for 3010.
- 3040. ORNITHOLOGY.** (2-2-0). Techniques of bird study; adaptive significance and evolution of bird behavior, ecology, physiology and morphology; field identification and natural histories of Louisiana species. Prerequisite: registration in or credit for 3041; Biology 1020-1021.
- 3041. ORNITHOLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 3040.
- 3140. HERPETOLOGY.** (2-2-0). Classification, structure, evolution, natural history, and distribution of amphibians and reptiles. Laboratory emphasis on Louisiana forms. Collection required. Prerequisites: registration in or credit for 3141; 2060-2061 or consent of instructor.
- 3141. HERPETOLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 3140.
- 3170. HISTOLOGY.** (2-2-0). Cytology and microanatomy of animal tissues, principally mammalian. Prerequisites: registration in or credit for 3171; 2060-2061; Biology 1020-1021.
- 3171. HISTOLOGY LABORATORY.** (2-0-4). Prerequisite: registration in or credit for 3170.
- 3340. ANIMAL BEHAVIOR.** (3-3-0). Perception of the external world; orientation; motivation; social behavior; communication. Prerequisites: Biology 1020-1021; junior standing.
- 3361. ANIMAL BEHAVIOR LABORATORY.** (1-0-3). Experiments designed to illustrate the principles of animal behavior; communication. Prerequisites: Biology 1020-1021; or consent of instructor; junior standing.
- 4000. MARINE ECOLOGY.** (4-4-0). Relationships of marine and estuarine organisms to environmental factors; interactions among organisms; ecological process of energy and materials flow; communities and ecosystems of the Louisiana coastal zone. Prerequisites: general biology, invertebrate or vertebrate zoology, introductory chemistry. Summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 4010. MARINE INVERTEBRATE ZOOLOGY.** (4-4-0). General study of the classification, structure, function and ecology of marine and estuarine invertebrates, emphasizing those of the Louisiana Gulf Coast. Prerequisites: eight semester hours of zoology. Offered summers only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.

- 4020. MARINE VERTEBRATE ZOOLOGY.** (4-4-0). General study of the marine chordates with particular emphasis on the fishes, including classification, structure, function and ecology. Prerequisites: sixteen semester hours of zoology. Offered summers only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 4030. MARINE SCIENCE FOR TEACHERS.** (4-4-0). Survey of the marine sciences, techniques for the teaching of marine science at secondary and elementary school levels. Credit can be applied only to degrees in education. Offered summers only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 4040. MAMMALOLOGY.** (3-3-0). Behavior, ecology, physiology, morphology, evolution and zoogeography of mammals; taxonomy of mammals of the world; techniques of mammal study; identification of Louisiana species. Prerequisites: registration in or credit for 4041; Biology 1020-1021.
- 4041. MAMMALOLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 4040.
- 4050. EMBRYOLOGY.** (2-2-0). Early developmental stages of various animals and later development of the chick and mammals. Prerequisites: registration in or credit for 4051; Biology 1020-1021.
- 4051. EMBRYOLOGY LABORATORY.** (2-0-4). Prerequisite: registration in or credit for 4050.
- 4170. LIMNOLOGY-AQUATIC BIOLOGY.** (2-2-0). Physical, chemical and biological properties of inland waters. Prerequisites: registration in or credit for 4171; Biology 1020-1021; six hours of chemistry.
- 4171. LIMNOLOGY-AQUATIC BIOLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 4170.
- 4180. BIOLOGY OF FISHES.** (2-2-0). Taxonomy, anatomy, physiology, evolution life history and ecology of fresh-water fishes. Prerequisites: registration in or credit for 4181; 2060-2061, or consent of instructor.
- 4181. BIOLOGY OF FISHES LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 4180.
- 4210. COMPARATIVE VERTEBRATE PHYSIOLOGY.** (3-3-0). Comparison of the physiological adaptation of various vertebrate groups to their environment. Water balance, body temperature and energy metabolism, respiration, circulation, sensory and nervous systems. Prerequisites: registration in or credit for 4211; 1220-1221 or 2060-2061; junior standing; organic chemistry recommended.
- 4211. COMPARATIVE VERTEBRATE PHYSIOLOGY LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 4210.
- 4300. MIGRATORY WILDLIFE RESOURCES.** (2-2-0). Ecology and management of doves, waterfowl and marsh birds; marsh ecology. One or two weekend field trips to waterfowl refuges and management areas required. Prerequisites: 2290 and one course in the environmental category in the biology core.

For Graduates Only

- 5230. ADVANCED HUMAN PHYSIOLOGY** (3-3-0). Physiological processes involved in homeostatic mechanisms of man.

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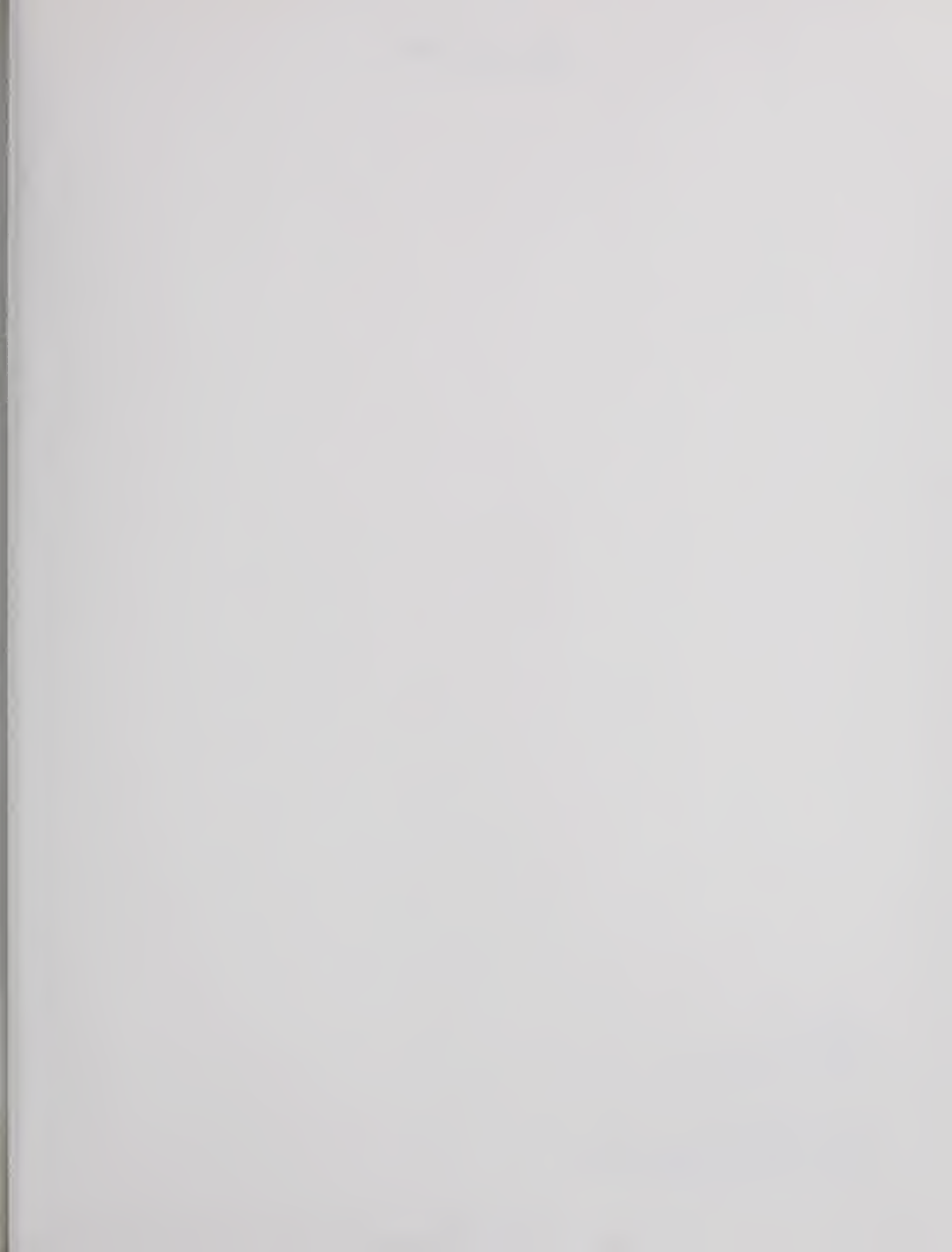
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